Chemical: Formaldehyde **CAS: 50-00-0**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo (40)

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

6. oral - 168, 200, 168, 17.6, 176, 10.5

Chemical: Formaldehyde **CAS: 50-00-0**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	comment

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	3890
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	40000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	15, 30, 140d
- What is its half-life in air (days)?		>2	< 2	NI	1.7
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	3.2
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR, HPV

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents/tunnels; 090 baby products; 093 hobby products

19. School glue, Gerber baby wash

Chemical: Estrone **CAS: 53-16-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

6. Synthetic estrogen, active at very low doses

Chemical: Estrone **CAS: 53-16-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. anti-aging cream

Chemical: N-nitrosodiethylamine **CAS: 55-18-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo (53)
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: N-nitrosodiethylamine **CAS: 55-18-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.86 @ 20
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	high
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Unlikely

Final Exposure Determination

Possible

Comments

14. NL_2005b balloons

Chemical: Carbon tetrachloride **CAS: 56-23-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	150
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	200 ppm 250ppm/8H

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Carbon tetrachloride **CAS: 56-23-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	115
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1160
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. Banned for use in consumer products. HSDB – Solvent, synthesis. NLM – auto products, adhesives.

Chemical: Propylene glycol **CAS: 57-55-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		NTP
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

Toxicity – NTP_REP, IRIS_OTH

Chemical: Propylene glycol **CAS: 57-55-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	Paper products, Other
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0.13
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1 x10^6 @ 20
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	sunblock

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA060 wooden toys; 067 slimy toys; 068 perfume in toys/articles; 088 cosmetics; 089 balloons; 093 hobby products

17. Ocean Potion Natural Mineral Sunblock, Kids, SPF 45; Sani Hands Kid's Instant Hand Sanitizing Wipes

19. Wet Ones Kids Antibacterial Wipes, Wild Watermelon & Ballistic Berry

27. DEPA052, 053, 058, 059, 079

Chemical: 17a -ethinylestradiol (EE2) CAS: 57-63-6

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	"proven" MSDS
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 160ug/kg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	MSDS
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

OSPAR_OCC

6. in human woman

Chemical: 17a -ethinylestradiol (EE2) **CAS: 57-63-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	11.3
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	Oral contraceptives
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: N-Nitrosomorpholine **CAS: 59-89-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: N-Nitrosomorpholine **CAS: 59-89-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	comment
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. Looked for/not found in NL_2005b.

16. "NOT USED COMMERCIALLY IN THE USA"

Chemical: Diethyl ether **CAS: 60-29-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

Chemical: Diethyl ether **CAS: 60-29-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Possible

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

17. Dr. Scholl's Clear Away Liquid Wart Remover System – website indicates product is great for kids

Chemical: Analine **CAS: 62-53-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	muta
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: Analine **CAS: 62-53-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	Hazard characterization
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.49
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	36,000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA089 balloons; 93 hobby products

27. DEPA051 products made of chloroprene; 100 turf

EU RA (p 170) - It is not known whether aniline is used as a component in consumer products. However, there is information from Spain, that aniline is a component of a product used for dying shoes. An internal exposure to aniline of $1.0.10^{-4}$ mg/kg bw/d (adults) and of $4.3.10^{-5}$ mg/kg bw/d
(children) from wearing dyed leather shoes was estimated.

Chemical: Thiocarbamide **CAS: 62-56-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Thiocarbamide **CAS: 62-56-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.8×10^{-3}
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1.42×10^{5}
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. Environment Canada "in the production of flame retardant resins used in nylon (IPCS 2003; Calamari and Harper 1994), as an auxiliary agent in the textile industry (BUA 1998)"

27. HSDB - Flame-retardant textile sizes; Flame-retardant finish for cotton; Imparting flame resistance and improved handling properties for nylon-based products;

27. DEPA032. IUR – intermediate. NLM – metal polish

Chemical: N-nitrosodimethylamine **CAS: 62-75-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	1B: muta 2: repro
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo (20)
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

6. Oral – fetotoxicity. Dose as low as 30 mg/kg causes fetal death.

Chemical: N-nitrosodimethylamine **CAS: 62-75-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Latex balloons
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.7
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	very
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	HSDB, IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA089 balloons; NL 2002 teats and soothers; NL 2005b balloons

Chemical: Ethanol **CAS: 64-17-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

6. RTECS (human) other effects on embryo

Chemical: Ethanol **CAS: 64-17-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	Comment
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	Other / NRO
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	Comment

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	59.3
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 067 slimy toys; 068 perfume in toys & children's articles; 088 children's cosmetics; 089 balloons

17. For My Kids All-Natural Hand Wash / Crest Rejuvenating Effects Liquid Gel Toothpaste for Kids

19. Wet Ones Kids Antibacterial Wipes / Purell Kids Own Berry Blast / Off Skintastic Insect Repellent for Kids

Chemical: Formic acid **CAS: 64-18-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

Flagged for toxicity by IRIS_OTH

Chemical: Formic acid **CAS: 64-18-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	42.59
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA053 dandruff shampoo; 069 liquid hand soaps; 098 proofing sprays

27. HSDB: Dyeing and finishing of textile; preparation of organic esters; manufacture of insecticides; refrigerants; solvent for perfumes

27. IUR:
Type of Processing: Processing--repackaging Industrial Sector (Based on NAICS): Soap and Cleaning Compound Manufacturing
Industrial Function: pH-regulating agents

27. EWG, NLM: soap, shampoo

Chemical: Benzoic acid **CAS: 65-85-0**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments
IRIS Other

Chemical: Benzoic acid **CAS: 65-85-0**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA060 wooden toys; NL 2005a plastic toys

17. EWG: Aveeno Baby Soothing Relief Diaper Rash Cream

19. Aveeno Baby Soothing Relief Diaper Rash Cream, Fragrance Free

27. DEPA053 dandruff shampoo; 058 textile colorants; 066 electrical/electronic products; 069 liquid hand soaps; HSDB: plastics, food

Chemical: Methanol **CAS: 67-56-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

Flagged for toxicity by NTP REP and IRIS OTHER

2. NTP - Developmental: clear evidence of adverse effects in animals. Repro (females): Insufficient evidence for a conclusion. Repro (males): Some evidence of no adverse effects.

Chemical: Methanol **CAS: 67-56-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA098 proofing sprays.

HSDB - Industrial solvent. Raw material for making formaldehyde and methyl esters of organic and inorganic acids. Antifreeze for automotive radiators and brakes; ingredient of gasoline and diesel oil antifreezes. Octane booster in gasoline. As fuel for picnic stoves and soldering torches. Extractant for animal and vegetable oils. To denature ethanol. Softening agent for pyroxylin plastics. Solvent and solvent adjuvant for polymers. Solvent in the manufacture of cholesterol, streptomycin, vitamins, hormones, and other pharmaceuticals.

IUR - Electrical and electronic products / Fabrics, textiles and apparel / Paints and coatings / Rubber and plastic products

NLM - Softsoap Shea Butter Liquid Hand Soap / Dermassage Hand Dishwashing Liquid, Regular-08/31/2006 / Palmolive Ultra Antibacterial Hand Soap-08/26/2004 / Parks Adhesive Remover-09/04/1998 / Klean Strip Deep Down Stain Stripper

Chemical: Chloroform **CAS: 67-66-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Repro & germ
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	41 – p 60
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	30 ppm – p 18

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	?
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Chloroform **CAS: 67-66-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	Adhesive remover

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	197
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	$7.95x10^3$
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	Kim 2007
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

26. Was found in Kim 2007.

27. HSDB - **Chloroform**. **Chloroform**'s (**trichloromethane**) main use, accounting for 95% of output, is in the manufacture of hydrochlorofluorocarbon-22 (HCFC-22), which is used in refrigerants and fluoropolymers, such as polytetrafluoro-ethylene (PTFE).

27. EU RA - III Unintended formation
IIIa. • Losses as a by product during chemical and VC/PVC products manufacturing

Chemical: 1-Butanol **CAS: 71-36-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 8000 ppm

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

Toxicity – IRIS_OTH

Chemical: 1-Butanol **CAS: 71-36-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	7
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	63200
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 060 wooden toys; 067 slimy toys; 068 perfume in toys/children's articles

27. DEPA032 049 058 098

Chemical: Benzene **CAS: 71-43-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	repro
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 50 ppm

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Benzene **CAS: 71-43-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comment
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	94.8
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1790
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	Kim 2007
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA068 perfume in toys/children's articles; 089 balloons

15. EU RA – exposure from gasoline. No special risks mentioned for children.

26. Was found in Kim 2007

27. DEPA032, 075. HSDB – plastics, inks.

Chemical: Methyl chloride **CAS: 74-87-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Methyl chloride **CAS: 74-87-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4300
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	5320
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. FOAMING AGENT IN PLASTICS INDUSTRY; IN STAINLESS STEEL INDUSTRY

Methyl chloride is primarily used to produce silicone resins and rubbers.

Chemical: Chloroethane **CAS: 75-00-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Chloroethane **CAS: 75-00-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1010
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	5.68×10^3
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. ATSDR

Children can be exposed inadvertently to chloroethane via household products such as paints, solvents, air fresheners, and refrigerants. However, children are unlikely to be exposed to a significant amount of chloroethane during normal use of these products by adults.

27. HSDB - Use in manufacture of perfumes. (Jan. 1981)

Chemical: Vinyl chloride **CAS: 75-01-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	RTECS
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Vinyl chloride **CAS: 75-01-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comments
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2980
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	8.8×10^3
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

15/20. ATSDR - Children's plastic products such as bath toys, squeeze toys, and dolls are often made from PVC. Chewing or sucking on these toys has the potential to release any unpolymerized vinyl chloride from the object; however, no quantitative data exists regarding this potential exposure route and it is unlikely that there are significant levels of vinyl chloride in PVC-based toys.

15/20. NIEHS - The general population potentially is exposed to vinyl chloride through inhalation of contaminated air, ingestion of contaminated drinking water and foods, or dermal contact with consumer products. However, the exposure levels for the majority of the population are very low (ATSDR 1997, Kielhorn *et al.* 2000, HSDB 2003).

28. Looked for/not found in Wiesel 2008

Chemical: Acetaldehyde **CAS: 75-07-0**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Acetaldehyde **CAS: 75-07-0**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	902
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	$1x10^6$
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents/tunnels

19. Aleenes School Glue

27. HSDB – food, plastic, perfume

Chemical: Methylene chloride **CAS: 75-09-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 1250 ppm

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: Methylene chloride **CAS: 75-09-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	435
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	13000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA067 slimy toys

27. DEPA032, 058, 098; looked for/not found in 069. HSDB – used as solvent and in plastics manufacturing.

Chemical: Carbon disulfide **CAS: 75-15-0**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	TDLo 30 ug
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Severe

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

IRIS_OTH

Chemical: Carbon disulfide **CAS: 75-15-0**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	359
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	2160
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA089 balloons; NL2002 teats and soothers

27. DEPA051; HSDB – used in paints, varnish, rubber

Chemical: Bromoform **CAS: 75-25-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL TDLo 200 mg/k
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Bromoform **CAS: 75-25-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	5.4
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3100
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. ATSDR

However, the primary routes of exposure to bromoform and dibromochloromethane are expected to be through drinking water or consumption of beverage or food products that contain water that has been disinfected through chlorination.

Chemical: Bromodichloromethane **CAS: 75-27-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Bromodichloromethane **CAS: 75-27-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	50
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3.96×10^3
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	comment

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

30. HSDB – no US production

Chemical: 1,1-Dichloroethane **CAS: 75-34-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 1,1-Dichloroethane **CAS: 75-34-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.27×10^{2}
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	5040
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA098
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Phosgene **CAS: 75-44-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS_OTH

Chemical: Phosgene **CAS: 75-44-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1420
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Slightly
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comments
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032

27. ATSDR - Phosgene is used in the manufacture of other chemicals such as dyestuffs, isocyanates, polycarbonates and acid chlorides; it is also used in the manufacture of pesticides and pharmaceuticals. Phosgene can also be used to separate ores.

27. HSDB - **Phosgene** is primarily used in the polyurethane industry for the production of polymeric isocyanates. **Phosgene** is also used in the polycarbonate industry

Chemical: Dimethylarsinic acid **CAS: 75-60-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	SDS
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	S, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL (p139)
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	SDS
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Dimethylarsinic acid **CAS: 75-60-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	$2x10^6$
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	Caldwell 2008
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	HSDB

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

Chemical: Trichlorofluoromethane **CAS: 75-69-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

Flagged for toxicity by IRIS_OTH

Chemical: Trichlorofluoromethane **CAS: 75-69-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	803
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1100
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Dichlorodifluoromethane **CAS: 75-71-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

No

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Chemical: Dichlorodifluoromethane **CAS: 75-71-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4850
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Freon TF **CAS: 76-13-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo - 5 g/kg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 20 ppm

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

IRIS_OTH

Chemical: Freon TF **CAS: 76-13-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	363
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	170
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. IUR - Commercial/Consumer Product Category: Fabrics, textiles and apparel
Maximum Concentration in Related Consumer/Commercial Product Category: Greater than 90%
Intended for Use in Children's Products in Related Product Category: No

27. HSDB - Foaming or blowing agent in the manufacture of polymers for flame retardancy.

Chemical: Isobutyl alcohol **CAS: 78-83-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Toxicity – IRIS_OTH

Chemical: Isobutyl alcohol **CAS: 78-83-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 067 slimy toys

19. Arts/crafts - Polly Scale Model Railroad Colors

Chemical: 1,2-Dichloropropane **CAS: 78-87-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL p30
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 1,2-Dichloropropane **CAS: 78-87-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	53.3
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	2800
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	comment

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - solvent in plastics, resins, and metals indust, int in rubber processing

30. ATSDR - Many of the major uses of 1,2-dichloropropane, other than as a chemical intermediate and industrial solvent, have been eliminated or curtailed. Most importantly, all uses with significant consumer and general population exposure may have been eliminated in the U.S.

Chemical: Methyl ethyl ketone **CAS: 78-93-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					comment
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 1000 ppm

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

2. 3/01 Nominated. 1/30/02 Deferred – limited reproductive/developmental data.

Toxicity – NTP Repro, IRIS_OTH

Chemical: Methyl ethyl ketone **CAS: 78-93-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	comment

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	90
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	2.23×10^5
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 067 slimy toys; 068 perfume in toys & children's articles

19. Elmers Probond Model & Hobby Cement-09/14/2001

27. DEPA032 049 052 053 058 098

HSDB: Methyl ethyl ketone (MEK) is mainly used as a solvent for nitrocellulose, and acrylic and vinyl surface coatings. Nearly 60% of global demand comes from paints and coatings. Other uses include rubber-based industrial cements, printing inks, bonding agents, and magnetic tapes.

Chemical: 1,1,2-Trichloroethane **CAS: 79-00-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 1,1,2-Trichloroethane **CAS: 79-00-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	23
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	4590
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. ATSDR - No use with significant consumer, and general population exposures has been identified.

Chemical: Trichloroethylene **CAS: 79-01-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	mutagen
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 8.4 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo - 100

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments
IRIS OTH

Chemical: Trichloroethylene **CAS: 79-01-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	69
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1280
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comments
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics

HSDB - **Trichloroethylene** has been used, in limited quantities, to control relative molecular mass in the manufacture of polyvinyl chloride. It has also been used as a solvent in the rubber industry, some adhesive formulations and in research laboratories. In the textile industry, it is used as a carrier solvent for spotting fluids and as a solvent in dyeing and finishing.

NLM - Lectra Clean (aerosol)-9/22/2003 Arts & Crafts aerosol 90-99
Sprayway Plastic Spray Clear Fixative No. 201 Arts & Crafts aerosol 25-35
Sprayway Film Cleaner No. 205 Arts & Crafts aerosol 80-100

EU RA - Although a substantial amount of trichloroethylene is sold for consumer use in the European Union, the only use identified is for spot cleaning of fabrics. Consumer exposure may occur via the inhalation and dermal routes during or following use as a spot cleaner.

Chemical: Acrylamide **CAS: 79-06-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				Report (p145)
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	Cat 2 muta Cat 3 repro
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	5 (LOAEL) p45
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	50 (LOAEL) p73
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo - 300

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

NTP – clear evidence of adverse effect in animals & may adversely affect humans

Chemical: Acrylamide **CAS: 79-06-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	7X10-3
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	$3.711X10^2$
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - Synthesis of dyes; cross-linking agent; adhesives, paper and textile sizes; in soil conditioning agents; flocculants; sewage and waste treatment; in ore processing, permanent press fabrics.

EU - It is estimated that up to 99.9% of acrylamide in the EU is used in the production of polyacrylamides.

Polyacrylamide enters a range of consumer products such as soap, shaving foam and hair gels, and gardening products.

NIEHS - The majority of acrylamide (>90%) is used in the manufacture of polymers such as polyacrylamide.

Chemical: 1,1,2,2-Tetrachloroethane **CAS: 79-34-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 1,1,2,2-Tetrachloroethane **CAS: 79-34-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.62
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	2830
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	X
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA090 baby products

27. HSDB – clothing, paints, rubbers

28. Looked for/not found

Chemical: Dichloroacetic acid **CAS: 79-43-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 1125 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

GL_NEU

Chemical: Dichloroacetic acid **CAS: 79-43-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Tetrabromobisphenol A **CAS: 79-94-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					comment
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 63 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by WA_PBT

NTP NIEHS Review of Toxicological Lit – Devel/repro: some evidence in animals – p13
Carcinogenicity: no data – p16

info on BPA references one study that looked at effects of TBBPA:
Berg C, Halldin K, Brunstrom B. 2001. Effects of bisphenol A and tetrabromobisphenol A on sex organ development in quail and chicken embryos.

Environ Toxicol Chem 20:2836–2840.

EPA data – p14

Chemical: Tetrabromobisphenol A **CAS: 79-94-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	comment
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

26. Found in Peters 2005a, Thomsen 2005

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27. DEPA032 electronics

NTP (p4-5) - For the general population, exposure to TBBPA is possible from inhalation of ambient air and dermal contact with the compound (e.g., products made from polymers incorporating the TBBPA). … In a study of samples of waste electric appliances, TV waste …

Ingestion of TBBPA is also a possible exposure route. In commercial drinking water stored in reusable polycarbonate containers, native TBBPA as well as brominated derivatives of the bisphenol A (BPA) were detected.

HSDB - 2,2',6,6'-Tetrabromobisphenol A's production and use primarily as a reactive flame retardant in epoxy resin circuit boards and recently in electronic enclosures made of PC-ABS may result in its release to the environment through various waste streams.

Chemical: Bisphenol A **CAS: 80-05-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				comment
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo- comment
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

2. NTP – "High" dose developmental toxicity: Clear evidence of adverse effects in animals

Reproductive toxicity: Some evidence of adverse effects

"Low" dose developmental toxicity: Limited evidence of adverse effects

6. RTECS – numerous TDLo values in the ug range

Chemical: Bisphenol A **CAS: 80-05-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comment
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	3.91X10-7
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	120
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	HSDB, IUR

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. NL 2005a plastic toys; NL 2005c plastic feeding utensils for babies

15. EU RA – infant tableware, baby bottles

18. Electrical/electronic products, rubber/plastic products

20. EU RA - Overall, this paper shows bisphenol-A migration from polycarbonate tableware products into food simulants, with concentration levels of up to 40 ppb being recorded from products no longer sold and levels of up to 5 ppb from commercially available products. (127)

26. Calafat 2008b. Also found in Peters 2005a, Wolf 2006

27. DEPA032, Peters 2003; EWG – eyeshadow; NLM - epoxy

Chemical: Dicyclohexyl phthalate **CAS: 84-61-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Dicyclohexyl phthalate **CAS: 84-61-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	8.67×10^{-7}
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

14. Looked for/not found in DEPA070, toys & childcare products produced from foam plastic

27. DEPA100 artificial turf; Peters 2003, Peters 2005b

HSDB - plasticizer

Chemical: Anthraquinone **CAS: 84-65-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Anthraquinone **CAS: 84-65-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.16×10^{-7}
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1.353
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR, HPV

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA059 glass & porcelain colors; IUR – paper products

Chemical: Diethyl phthalate **CAS: 84-66-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 25 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Diethyl phthalate **CAS: 84-66-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	comment
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.1×10^{-3}
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1080
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA 068 perfume in toys & children's articles; 070 chemical substances in toys & childcare products produced from foam plastic; 090 baby products; NL 2005a plastic toys. Looked for/not found in DEPA067 slimy toys

18. Rubber & plastic products; soaps and detergents

27. several DEPA studies; HSDB – plastics, food packaging

Chemical: di-n-hexylphthalate **CAS: 84-75-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 2660 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Severe

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	SDS
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

PROP65_FEM, PROP65_MAL

Chemical: di-n-hexylphthalate **CAS: 84-75-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Possible

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.4x10-5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	0.05
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment #16
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

16. HSDB - Substances containing DnHP may also be used in traffic cones, **toys**, vinyl gloves, weather stripping, flea collars, shoes, and conveyor belts used in food packaging operations.

20. NTP - Mouthing of toys is a potential source of oral phthalate exposure in children. There were no studies identified that documented the detection of DnHP-containing compounds in children's toys.

Chemical: Phthalic anhydride **CAS: 85-44-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

IRIS OTHER

Chemical: Phthalic anhydride **CAS: 85-44-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	Hazard char
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	5.17x10-6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6200
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA060 Wooden toys

27. Several DEPA studies. HSDB – plastics.

Chemical: N-nitroso-diphenylamine **CAS: 86-30-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: N-nitroso-diphenylamine **CAS: 86-30-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	35.1
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA 089 balloons

27. HSDB - Additive in rubber

Chemical: Hexachlorobutadiene **CAS: 87-68-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 45 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo – 15 ppm

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Bad

Final Toxicity Determination

Bad

Comments

Chemical: Hexachlorobutadiene **CAS: 87-68-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0.22
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3.20
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

27. DEPA 032 electronics. HSDB – Lubricants, rubber.

28. Looked for/not found in Weisel 2008.

Chemical: Quinoline **CAS: 91-22-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	Germ cell mut
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Quinoline **CAS: 91-22-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0.06
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6110
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: 2-Naphthylamine **CAS: 91-59-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: 2-Naphthylamine **CAS: 91-59-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA032
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	Not produced

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: 3,3'-Dichlorobenzidine **CAS: 91-94-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 3,3'-Dichlorobenzidine **CAS: 91-94-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics.

HSDB - CURING AGENT FOR ISOCYANATE-CONTAINING POLYMERS

3,3'-**Dichlorobenzidine base** and salts are used as chemical intermediates to produce pigments that are produced commercially in the USA

Chemical: Biphenyl **CAS: 92-52-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

Chemical: Biphenyl **CAS: 92-52-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	CBI
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA095.

HSDB - Organic synthesis; … dyeing assistant for polyesters

Used as a solvent in the synthesis of perfumes and plasticizers.

Chemical: p-phenylphenol **CAS: 92-69-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	SDS
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	SDS
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: p-phenylphenol **CAS: 92-69-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB – resins, rubber

Chemical: Benzidene and its salts **CAS: 92-87-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL 7.2 p30
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Benzidene and its salts **CAS: 92-87-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	322
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032, 094.

ATSDR - In the past, industry used large amounts of benzidine to produce dyes for cloth, paper, and leather. However, it has not been made for sale in the United States since the mid-1970s. Major U.S. dye companies no longer make benzidine-based dyes. Benzidine is no longer used in medical laboratories or in the rubber and plastics industries. …

Chemical: 4,4'-Biphenyldiol **CAS: 92-88-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 4,4'-Biphenyldiol **CAS: 92-88-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Methyleugenol **CAS: 93-15-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 7000 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Methyleugenol **CAS: 93-15-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0.012
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	500
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA055, 092. Looked for & not found in DEPA069 (hand soaps).

HSDB - **Methyleugenol** is used as a flavorant in commercial products at concentrations of 5 to 52 ppm. **Methyleugenol** is used in **fragrances** at a concentration of 0.002 to 0.3%.

EWG – cosmetics, body wash (19 products.)

Chemical: Propyl paraben **CAS: 94-13-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Propyl paraben **CAS: 94-13-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	comment
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	5.55x10-4
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	500
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	comment
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA067 slimy toys; 088 cosmetic products for children

17. KIEHL'S BABY LIP BALM / Baby Blanket Sunscreen Stick, SPF 45+ / Coppertone Water BABIES Pure & Simple Sunscreen Lotion, SPF 50 / Aveeno Baby Soothing Relief Diaper Rash Cream

26. Was found in Ye 2006

27. Several DEPA studies.

HSDB - Shampoo: preservative.

Chemical: Butyl paraben **CAS: 94-26-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Butyl paraben **CAS: 94-26-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	comment
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.86x10-4
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	207
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA067 slimy toys; 088 cosmetic products for children

17. Baby Blanket KIDS Sunblock Lotion, Titanium Dioxide Formula, SPF 50+ / Baby Blanket Sunscreen, SPF 50+ / No-Ad Babies Sunblock Lotion, SPF 45

26. Was found in Ye 2006.

27. Several DEPA studies.

HSDB - Butyl paraben ... is used as a preservative in topical antibiotic or corticosteroid preparations and foods.

Chemical: 5-allyl-1,3-benzodioxol, Safrole CAS: 94-59-7

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 5-allyl-1,3-benzodioxol, Safrole CAS: 94-59-7

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA092.

HSDB - In perfumery; denaturing fats in soap manufacture; also in manufacture of heliotropin. Formerly as flavoring agent in foods, drugs, and beverages.

Used as preservative in mucilage & library paste.

Chemical: 1,2-Dichlorobenzene **CAS: 95-50-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 200 ppm

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

Chemical: 1,2-Dichlorobenzene **CAS: 95-50-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.36
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	156
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. ATSDR - 1,2- dichlorobenzene and 1,3-dichlorobenzene are not found frequently in the air of homes and buildings because these chemicals are not used in household products.

IUR - Other Plastics Product Manufacturing / Solvents

Chemical: 2-Aminotoluene **CAS: 95-53-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: 2-Aminotoluene **CAS: 95-53-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	Hazard char
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.26
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	16600
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA089 balloons. Looked for/not found in 090 baby products.

27. DEPA032 electronics.

HSDB – dyes, clothing.

Chemical: 4-Chloro-ortho-toluidine **CAS: 95-69-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	muta
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

PROP65_FEM

Chemical: 4-Chloro-ortho-toluidine **CAS: 95-69-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	sparingly
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics.

HSDB - AZOIC DIAZO COMPONENT FOR COTTON, SILK, ACETATE & NYLON

Chemical: 2,4-Diaminotoluene **CAS: 95-80-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 210 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

IRIS_OTHER

Chemical: 2,4-Diaminotoluene **CAS: 95-80-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	comment
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	5.52x10-5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	7.74 g/L
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. NL 2002 teats & soothers; looked for/not found in DEPA090 baby products.

20. NL 2002 migration test.

EU RA - **4.1.1.4 Consumer exposure**
2,4-TDA is used in Germany almost exclusively as an intermediate in the manufacture of 2,4-toluylene diisocyanate, a starting product for polyurethane products, and very occasionally in the manufacture of colorants.
There are no indications of any direct application of 2,4-TDA by the consumer (ISOPA, 2003).
Under special chemical conditions (high temperature, high pressure, presence of solvolytic alcohols) TDA may be liberated from polyurethane products. However, under normal use conditions it can be expected that a liberation of TDA would not occur. Continuous monitoring of product quality has revealed that the 2,4-TDA content in flexible foam PUR consumer products is below detectable limits (ca. 0.1 ppm) (EUROPUR, 2003).
Therefore, a formation of TDA outside the life cycle of polyurethane products is not considered in this exposure assessment.

27. DEPA032 electronics. HSDB - dyes

Chemical: Styrene oxide **CAS: 96-09-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 15 ppm

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Styrene oxide **CAS: 96-09-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics.

HSDB - REACTIVE DILUENT FOR EPOXY RESINS; CHEM INTERMED FOR COSMETICS, SURFACE COATINGS, TREATMENT OF FIBERS & TEXTILES, AGRICULTURAL & BIOLOGICAL CHEMICALS

Chemical: 1,2-dibromo-3-chloropropane CAS: 96-12-8

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	1A (repro) 1B (germ cell)
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	15 (LOAEL) p33
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	1 (LOAEL) p14

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

IRIS_OTHER, PROP65_MAL

Chemical: 1,2-dibromo-3-chloropropane **CAS: 96-12-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB – soil fumigant.

Chemical: 2,3-dibromo-1-propanol **CAS: 96-13-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 2,3-dibromo-1-propanol **CAS: 96-13-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - Intermediate in the preparation of flame retardants, insecticides, and pharmaceuticals.

Chemical: 1,2,3-Trichloropropane **CAS: 96-18-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 400 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

IRIS OTHER

Chemical: 1,2,3-Trichloropropane **CAS: 96-18-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Methylacrylate **CAS: 96-33-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 100 ppm

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

Flagged for toxicity by IRIS_OTHER

Chemical: Methylacrylate **CAS: 96-33-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics.

EWG: Icy Hot Extra Strength Patch / Capzasin Arthritis Pain Relief, Back & Body Patches / Aspercreme Odor Free Therapy Medicated Back & Body Patch with Aloe

IUR: plastics product manufacturing

Chemical: o-Aminoazotoluene **CAS: 97-56-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 480 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: o-Aminoazotoluene **CAS: 97-56-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics. HSDB – dyes.

Chemical: Acetophenone **CAS: 98-86-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

No

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS_OTHER

Chemical: Acetophenone **CAS: 98-86-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.397
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6130
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA089 balloons; 090 baby products; 093 hobby products for children; NL 2005a plastic toys; NL 2005c plastic feeding utensils for babies

27. DEPA032 electronics; 100 turf. HSDB – orange flavoring. IUR – clothing.

Chemical: Benzal chloride **CAS: 98-87-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Benzal chloride **CAS: 98-87-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insol
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA032
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Methyl paraben **CAS: 99-76-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Methyl paraben **CAS: 99-76-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	comment
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	comment

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.37x10-9
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	2500
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	comment
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	HSDB

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA067 slimy toys; 088 cosmetic products for children; 093 hobby products for children; NL2005a plastic toys

17. EWG - Coppertone Water BABIES Pure & Simple Sunscreen Lotion, SPF 50 / Aveeno Baby Soothing Relief Diaper Rash Cream / Blue Lizard Australian Sunscreen - Baby, SPF 30

19. NLM - Johnsons Baby Softwash Cleansing Cloths / Johnsons Creamy Baby Oil / Baby Magic, Baby Bath, Original / Baby Magic, Calming Milk Bath with Lavender & Chamomile

26. Was found in Ye 2006.

27. Several DEPA studes.

HSDB - Antimicrobial food additive in baked goods, beverages, creams, pastes; antimicrobial for artificially sweetened jams & jellies, in syrups, in cosmetics

Chemical: 4-hydroxybenzoic acid **CAS: 99-96-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 4-hydroxybenzoic acid **CAS: 99-96-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.9x10-7
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	5000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. NL 2005a sucked plastic toys

Chemical: Ethyl benzene **CAS: 100-41-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	959 LOAEL p49
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 96 ppm

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

IRIS_OTHER

Chemical: Ethyl benzene **CAS: 100-41-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	comment
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	9.6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	169
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 – tents/tunnels; 067 – slimy toys; 068 – perfume in toys/children's articles; 093 – hobby products for children

20. DEPA067 - The conclusion is that xylene (and ethylbenzene) is not released to an extent to pose a health risk to the consumer.

DEPA068 - there may be a risk of health effects when using the product.

27. Several DEPA studies.

NLM – paints.

EU RA - Specifying the use of these preparations, "Paints, lacquers and varnishes" (Norway: 375 preparations; Denmark: 914 preparations) and "Solvents" (Norway: 45 preparations; Denmark: 66 preparations) are identified as the main fields of application. Another significant technical use is as "Process regulator" (Norway: 80 preparations; Denmark: 123 preparations).

Chemical: Styrene **CAS: 100-42-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		NTP
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	300 LOAEL p34
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	400 LOAEL p78

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Bad

Final Toxicity Determination

Worst

Comments

GL_NEU

Chemical: Styrene **CAS: 100-42-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comment
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	comment
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	6.40
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	310
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 – tents & tunnels; 067 – slimy toys; 068 – perfume in toys/children's articles; 090 – baby products; NL_2005a

15, 20. ATSDR - Baby foods and infant formula are often stored in polystyrene containers and the migration of low levels of non polymerized styrene into food items from polystyrene containers has been demonstrated (EPA 1985a; Tang et al. 2000)

18. IUR intended for use in children's prod – adhesives and sealants, electrical/electronic products, paints and coatings, rubber and plastic products

20. DEPA067 - Based on the calculated scenarios no health risks to the consumers are expected due to the presence of styrene in slimy toys.
090 - It is concluded that there is no health effect from styrene by skin contact and oral uptake. Regarding uptake by air via inhalation … it is assessed that there is no health risk from intake by air of styrene for the tested products.

27. Several DEPA studies.
NLM – putty, cement.

Chemical: Benzaldehyde **CAS: 100-52-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments
IRIS OTHER

Chemical: Benzaldehyde **CAS: 100-52-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	NRO
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	.127
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6.95 g/L
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents/tunnels; 060 wooden toys; 067 slimy toys; 068 perfume in toys/ children's articles; 089 balloons; 090 baby products; 093 hobby products

17. EWG: Aveeno Baby Soothing Relief Moisture Cream, Fragrance Free

19. Aveeno Baby Soothing Relief Moisture Cream, Fragrance Free

27. Several DEPA studies.

Chemical: 4,4'-Methylene-bis-(2-chloraniline) CAS: 101-14-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: 4,4'-Methylene-bis-(2-chloraniline) CAS: 101-14-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.86x10-7
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	slightly
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA032
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. Looked for/not found in DEPA090.

Chemical: MDI **CAS: 101-68-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	TDLo – 9 mg
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Toxicity – IRIS OTHER

Chemical: MDI **CAS: 101-68-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	NRO
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	5x10-6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA032
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA090 baby products; NL_2005a sucked plastic toys

Chemical: 4,4'Diaminodipheylmethane **CAS: 101-77-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

EU SVHC

Chemical: 4,4'Diaminodipheylmethane **CAS: 101-77-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA032
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

20. EU RA - "Exposure of the general population is not presumed to exist." (p96)

Chemical: Azobenzene **CAS: 103-33-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Azobenzene **CAS: 103-33-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA095
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA095 nails; HSDB – intermediate for dyes and polymers

Chemical: 4-Nonylphenol **CAS: 104-40-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 4-Nonylphenol **CAS: 104-40-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.109 Pa
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	7
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA032
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA090 baby products; NL_2005a sucked plastic toys

Chemical: Chloroaniline **CAS: 106-47-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Chloroaniline **CAS: 106-47-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	comment
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.071
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3900
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA093 hobby products

21. Prioritization - Information concerning occupational exposures and use of the chemicals in consumer products would be useful in determining the extent of potential hazards for workers, consumers and children.

Chemical: Epichlorohydrin **CAS: 106-89-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: Epichlorohydrin **CAS: 106-89-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	16.4
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6.59x10+4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics. HSDB – epoxy resins.

Chemical: 1,2-dibromoethane **CAS: 106-93-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL – 4 p 28
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	LOAEL – 20 p8 10 p11

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: 1,2-dibromoethane **CAS: 106-93-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	comment
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. ATSDR – gasoline additive, fumigant. HSDB – solvent, intermediate.

28. Looked for/not found in Zhu 2005.

Chemical: 1,3-Butadiene **CAS: 106-99-0**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	muta
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: 1,3-Butadiene **CAS: 106-99-0**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2110
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	735
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics.

EU RA p155 - Overall, excluding adventitious sources, consumer exposure to butadiene can potentially occur as a result of exposure to residual monomer in consumer products manufactured from synthetic butadiene-based polymers. The two main sources are from indoor air (primarily due to release from carpet backings) and from food packaging materials.

Chemical: 1,2-Dichloroethane **CAS: 107-06-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	TDLo 57 mg/m3
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 300 ppm

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 1,2-Dichloroethane **CAS: 107-06-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	78.9
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	8000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics

Chemical: Acrylonitrile **CAS: 107-13-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Acrylonitrile **CAS: 107-13-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comment
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	comment
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	comment
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	109
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	74500
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

15, 20. EU RA - In 1993 Montefibre compiled information on potential exposure to fibres. Their findings are summarised as follows. Polyester and acrylic fibres often have prolonged contact with human skin: the sucking of **children's toys** may lead to ingestion. … In general, based on the comprehensive work carried out by this major fibre producer, it can be concluded that current and foreseeable users of products containing these chemical fibres are at negligible risk from exposure to residual acrylonitrile content in the products made from acrylic fibres (p99-100).

18. IUR – Intended for use in children's products - Fabrics, textiles, & apparel; rubber & plastic products

27. DEPA032 electronics.

EU RA – going to make such items as carpeting, blankets and clothing in general (p94)

telephones, computer and TV housings, sports equipment and moulded automotive parts, pipe-fittings and products likely to come into contact with food e.g. blister packs, food wrappings, plastic food containers/tubs etc. The benefit of these resins relate to their rugged, durable plastic quality. These resins are impermeable to gases and ideal for shatter-proof bottles that hold chemicals and cosmetics, blister packs that keep meat fresh and
medical supplies sterile. (p94)

Chemical: Ethylene glycol **CAS: 107-21-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				comment
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

IRIS OTHER, GL_NEU

2. NTP – Developmental toxicity (high oral doses): Clear evidence of adverse effects in animals

Reproductive toxicity: Some evidence of no adverse effects in animals

Developmental & reproductive effects: negligible concern for adverse effects in humans

Chemical: Ethylene glycol **CAS: 107-21-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	comment

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.092
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 060 wooden toys; 089 balloons

19. NLM - Burts Bees, Baby Bee, Diaper Ointment with Vitamin A and Vitamin E

27. DEPA032 electronics.

Chemical: Toluene **CAS: 108-88-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		comment
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

IRIS OTHER

2. NTP Deferred 7/2000

Chemical: Toluene **CAS: 108-88-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	comment
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	27.4
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	526
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	comment
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 060 wooden toys; 067 slimy toys; 068 perfume in toys & children's articles; 084 school bags, toy bags, pencil cases, erasers

16. HSDB - adhesive solvent in **plastic toys** and model airplanes

26. Was found in Kim 2007

27. Several DEPA studies.

EU RA - Toluene is present in many consumer products, including household aerosols, paints, varnishes, adhesives, and glues. Thus, toluene is used in several hundreds of products and in a large number of industrial branches.

Chemical: Cyclohexylamine **CAS: 108-91-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Bad

Final Toxicity Determination

Bad

Comments

IRIS OTHER

Chemical: Cyclohexylamine **CAS: 108-91-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	10.1
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA100 turf

Chemical: Phenol **CAS: 108-95-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						comment
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	muta
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Repro, germ
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						comment
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

2. Chemical was nominated but deferred due to chemicals with higher priorities.

6. All RTECS reproductive toxicity studies are above the LD50 listed on HSDB.

Chemical: Phenol **CAS: 108-95-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0.35
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	82800
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 060 wooden toys; 084 school bags, toy bags, pencil cases, erasers; 089 balloons; 090 baby products; 093 hobby products; NL 2005a sucked plastic toys. Looked for/not found in NL 2004.

17. EWG - Calmoseptine Diaper rash Ointment / numerous lip balms

27. Several DEPA studies.

EU RA - Phenol is mainly used as an intermediate in organic synthesis. … A small non-quantifiable part serves as a component in cosmetics and medical preparations … intermediates, binders, in paints and lacquers, flooring, hardeners, insulating materials, adhesives and other products. (p8)

In EU member states the use of phenol and its alkali salts in soaps and shampoos is permitted in concentrations up to 1% (p75)

Chemical: 2-Methoxyethanol **CAS: 109-86-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						comment
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						comment
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

2. Nominated but deferred – refocus dossier on glycol ethers

6. Many studies most falling within the middle group with a few outliers

Chemical: 2-Methoxyethanol **CAS: 109-86-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	9.5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA060 wooden toys

27. DEPA032 electronics. HSDB – perfume.

Chemical: Methyl cellosolve acetate **CAS: 110-49-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Methyl cellosolve acetate **CAS: 110-49-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	incomplete
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	7
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics

Chemical: Ethylene glycol monoethyl ester CAS: 110-80-5

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 10 ppm

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

IRIS OTHER

Chemical: Ethylene glycol monoethyl ester CAS: 110-80-5

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	5.31
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels; 060 wooden toys; 093 hobby products

27. DEPA032 electronics.

EU RA – Based on the latest information (INEOS 2006), there is no remaining wide dispersive use of 2-ethoxyethanol outside the chemical industry. The current use pattern is as follows:
- processed to intermediates in the chemical industry: 80%
- solvent use in the chemical industry: 20 % …

In the EU, the production quantity has declined during the last 5 years (2002 – 2006) from 1360 t to 100 t (520 t in 2005 to 100 t in 2006). However, it has to be kept in mind, that 2- ethoxyethanol might current on the market as a component of different products. (p14)

There is no indication that since that time new products containing 2-EE have been placed on the market. It may be possible that exposure to 2-ethoxyethanol may happen with some remained of the above mentioned products. Exposure assessment has not to be performed because consumer products on the basis of 2-ethoxyethanol are not available. (4.1.1.3)

Chemical: Pyridine **CAS: 110-86-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Pyridine **CAS: 110-86-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	Hazard char
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	20.8
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA058 textile colorants

HSDB - Used in the manufacture of pharmaceuticals such as CNS stimulants, and local anesthetics. Used as a solvent in manufacture of polycarbonate resins used in hand tools, small appliances, camera parts, safety helmets, and electrical connectors. Used as a solvent reaction medium or catalyst in paint manufacture, carbohydrate treatment, ... used as a coupling /reagent/ in azo dye manufacture; used in purification of mercury fulminate in explosives manufacture, during thermal decomposition of flexible polyurethane foams; used as an inhibitor and for preparation of inhibitors; used in oil and gas well drilling.

Chemical: Ethylglycolacetate **CAS: 111-15-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Ethylglycolacetate **CAS: 111-15-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	NRO
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	187000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	HSDB, IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics.

EWG: Andrea Mod Perma-Lash Adhesive for Individual Lash, Clear

EU RA – voluntarily removed from consumer goods in the EU (p14.)

Chemical: TCEP (tris-(2-chlorethyl)-phosphate) CAS: 115-96-8

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	1B – germ 2 - repro
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: TCEP (tris-(2-chlorethyl)-phosphate) CAS: 115-96-8

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	CBI
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.06125
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	7000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA068 perfume in toys & children's articles; 090 baby products; NL2005a sucked plastic toys

15, 20. EU RA - "For babies of about 3 months a significant source could be sucking at a toy." (page 167)

27. DEPA032 electronics.

HSDB - "Used with melamine in flexible urethane foam cushions and institutional mattresses."

Chemical: Hexachlorobenzene **CAS: 118-74-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 40mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: Hexachlorobenzene **CAS: 118-74-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.000049
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	.0047
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	comment

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

26. Not detected in NHANES, but detected in almost all children in 7 other biomonitoring studies.

30. HSDB, IUR – no US production.

Chemical: 3,3'- Dimethoxybenzidine **CAS: 119-90-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: 3,3'- Dimethoxybenzidine **CAS: 119-90-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	60
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. Looked for/not found in DEPA090 baby products.

27. DEPA032 electronics.

Chemical: 3,3´-Dimethylbenzidine **CAS: 119-93-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

IRIS OTHER

Chemical: 3,3´-Dimethylbenzidine **CAS: 119-93-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1300
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA093 hobby products. Looked for/not found in DEPA090 baby products.

27. DEPA032 electronics.

HSDB - Many of the hundreds of synthetic organic dyes used in the United States contain benzidine or benzidine congeners such as o-tolidine or o-dianisidine & are used to color textiles, leather, & paper.

Chemical: Ethyl paraben **CAS: 120-47-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	comment
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. 1 rat study @ 45600 mg/kg

Chemical: Ethyl paraben **CAS: 120-47-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	9.29x10-5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	885
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA067 slimy toys; 088 cosmetic products for children

17. EWG - Mustela Sun Lotion, Bebe High Protection, SPF 50 / Blue Lizard Australian Sunscreen - Baby, SPF 30 / Baby Blanket Sunscreen, SPF 50+ / Aveeno Baby Continuous Protection Sunblock Lotion, SPF 55 / Pampers Wipes Sensitive

19. NLM - Johnsons Soothing Skin Baby Lotion / Aveeno Baby Sunblock Lotion, Continuous Protection, SPF 55 / Aveeno Baby Soothing Relief Moisture Cream, Fragrance Free

26. Found in Ye 2006.

Chemical: para-Cresidine **CAS: 120-71-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: para-Cresidine **CAS: 120-71-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	slightly
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. Looked for/not found in DEPA090 baby products.

27. DEPA032 electronics.

Chemical: Triethylamine **CAS: 121-44-8**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments
IRIS OTHER

Chemical: Triethylamine **CAS: 121-44-8**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	57.1
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	8.86x10+4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. Several DEPA studies.

EWG - Maybelline Full 'n Soft Mascara, Dark Brown (+ 5 others)

Chemical: Propionaldehyde **CAS: 123-38-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments
IRIS OTHER

Chemical: Propionaldehyde **CAS: 123-38-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	317
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3.06x10+5
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA046 tents & tunnels.

27. DEPA032, 049.

HSDB - Manufacture of propionic acid, polyvinyl and other plastics; synthesis of rubber chemicals; disinfectant; preservative

Chemical: 1,4-Dioxane **CAS: 123-91-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 10,000 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 1,4-Dioxane **CAS: 123-91-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comment
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	NRO
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	38.1
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

15. EU RA - **Table 4.5** Monitoring data for 1,4-dioxane in cosmetics/toiletries

Product type: Baby lotion **1,4-Dioxane level (ppm) n=[..]:** 11 **Reference:** Scalia, 1992

ATSDR: These data suggest that the levels of 1,4-dioxane, especially in children's products are not effectively controlled by some raw materials producers.

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17. EWG: May be an impurity in: baby wipes (72)

baby shampoo (71)

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20. EU RA - Assuming the use of the lotion once a day with 2.4 g per event and considering that the lotion remained on the skin until the next day's wash, the dermal exposure was calculated to be 12 µg/cm3 (average event) resulting in a cumulative worst-case uptake estimate of 3.04 µg/kg bw/day.

ATSDR: **6.6 EXPOSURES OF CHILDREN** … Home exposures may result from the unintentional consumption of consumer products (e.g., baby shampoo, household detergents) containing 1,4-dioxane. However, the extent of this possible exposure route in the general population is unknown.

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27. EU RA - 1,4-Dioxane can occur as impurity in other materials, as it is formed as a reaction by-product in the manufacture of ethoxylated substances (particularly surfactants and emulsifiers). These substances are used in food, cosmetic, agricultural and veterinary, therapeutic, household and varied industrial applications. A survey undertaken by NICNAS indicated indeed widespread public exposure to 1,4-dioxane from a variety of consumer products including cosmetics/toiletries, household detergents, pharmaceuticals, foods, agricultural and veterinary products, and ethylene glycol-based antifreeze coolants (NICNAS, 1998).

Chemical: Dimethylamine **CAS: 124-40-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

Chemical: Dimethylamine **CAS: 124-40-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1520
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	163
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA089 balloons

27. HSDB - Accelerator in vulcanizing rubber; tanning; mfr detergent soaps; … SOLVENT FOR ACRYLIC FIBERS

EWG - Suave Professionals Healthy Curls Anti-Frizz Cream

Chemical: Perchloroethylene **CAS: 127-18-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 250 ppm

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Severe

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments
IRIS OTHER

Chemical: Perchloroethylene **CAS: 127-18-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	18.5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	150
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA 046 tents & tunnels

26. Was found in Braverman 2006, Schreiber 2000

27. DEPA032, 051.

HSDB - Used in the textile industry for dry-cleaning & for processing & finishing; … In typewriter correction fluids (eg, Liquid Paper, Wite-Out, Snopake, etc)

IUR - Soaps and detergents / Metal products / Fabrics, textiles and apparel / Automotive care products / Adhesives and sealants

Chemical: Dimethyl phthalate **CAS: 131-11-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

Flagged for toxicity by IRIS OTHER

Chemical: Dimethyl phthalate **CAS: 131-11-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	3.08x10-3
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	4000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA060 wooden toys; 067 slimy toys; 070 foam plastic toys. Looked for/not found in DEPA 090 baby products.

18. Rubber & plastic products.

27. DEPA032 electronics; Peters 2003, 2005b.

Chemical: Benzophenone-2 **CAS: 131-55-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Benzophenone-2 **CAS: 131-55-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA088 cosmetic products for children

EWG - YANBAL KIDS FUNNY SPLASH REFRESHING AFTER-BATH COLOGNE FOR CHILDREN

27. EWG – 407 products (fragrances)

Chemical: 2,4-dihydroxybenzophenone **CAS: 131-56-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 2,4-dihydroxybenzophenone **CAS: 131-56-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insol
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - USED AS SUNSCREENING AGENT

EWG, NLM – nail polish.

Chemical: MBP; Mono-n-butyl phthalate CAS: 131-70-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 400 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: MBP; Mono-n-butyl phthalate CAS: 131-70-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes	Yes	Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

26. Also Main 2006

27. DEPA049 exotic wood products

Chemical: 2,4,5-Trimethylaniline **CAS: 137-17-7**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: 2,4,5-Trimethylaniline **CAS: 137-17-7**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. Looked for/not found in DEPA 090 baby products

27. DEPA032 electronics

HSDB – "PROBABLY NOT PRODUCED COMMERCIALLYIN THE US"

Chemical: 4,4'-Thiodianilene **CAS: 139-65-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 250 mg
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 4,4'-Thiodianilene **CAS: 139-65-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Slightly sol
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. Looked for/not found in DEPA090 baby products

27. DEPA032 electronics

HSDB – dyes, medication

Chemical: 4-tert-Octylphenol **CAS: 140-66-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 4-tert-Octylphenol **CAS: 140-66-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	Hazard char
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.7x10-3 kpa
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. NL2005a sucked plastic toys

Chemical: Estragole **CAS: 140-67-0**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Estragole **CAS: 140-67-0**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	comment
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	178
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

21. ChAMP Prioritization - EPA identifies a high potential that consumers and children might be exposed to this chemical from consumer products to which children might also be exposed (e.g., soaps).). The HPV submission for this chemical states that the chemical is used in food,[4] while the HSDB information for this chemical states that the chemical is used in food , as well as perfumes, soaps and detergents.[5] According to the Source Ranking Database, potential exposure to consumers and children is likely from this airborne chemical when contained in a consumer product. …

The HPV and HSDB information indicates that this chemical is used in foods and soaps/detergents that may be used by children. EPA identifies, for the purposes of risk-based prioritization, a high potential for children to be exposed from products containing this chemical.

27. DEPA076 pleasure gel; 079 sport injury treatments; 092 essential oils & fragrances

HSDB - FRAGRANCE, EG, FOR PERFUMES, SOAPS & DETERGENTS / FLAVORING AGENT, EG, FOR BAKED GOODS & ICE CREAMS

Chemical: Ethyl acrylate **CAS: 140-88-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	TDLo 200 ppm

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Ethyl acrylate **CAS: 140-88-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	38.6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	15000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA 032 electronics; DEPA095 artificial nails/nail hardeners

EWG: Maybelline Illegal Lengths Washable Mascara, Black Onyx; Brownish Black (old formulation)

NLM: Colgate Simply White Advanced Whitening Toothpaste

Chemical: n-Heptane **CAS: 142-82-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

Chemical: n-Heptane **CAS: 142-82-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	46
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3.4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA068 perfume in toys & children's articles

27. Several DEPA studies.

NLM: Stencil Decor Accessories Spray Adhesive / Elmers No-Wrinkle Rubber Cement / Santa Snow Frost / Kiwi Oil Tanned Leather Protector

Chemical: 2,4-Hexadienal **CAS: 142-83-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 2,4-Hexadienal **CAS: 142-83-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.8
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	8100
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - Food additive and chemical intermediate

Chemical: Triethylene glycol monobutyl ether CAS: 143-22-6

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

Chemical: Triethylene glycol monobutyl ether CAS: 143-22-6

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	HSDB

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA060 wooden toys

27. HSDB - Plasticizer, intermediate

NLM – brake fluids

Chemical: 2-Ethyl hexanoic acid **CAS: 149-57-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	comment
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				comment
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

1. Listed August 2009.

2, 6. NTP – LOAEL 91 mg/kg/day in NTP_CERHR document

Chemical: 2-Ethyl hexanoic acid **CAS: 149-57-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	Hazard char
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.03
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1.4 g/L
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA060 wooden toys; 090 baby products; 093 hobby products; NL 2005a sucked plastic toys

27. HSDB - The acid (2-**ethylhexanoic acid)** and its derivatives are used in the manufacture of lubricants, detergents, flotation aids, and corrosion inhibitors, as catalysts for polyurethane foaming, for solvent extraction, and for dye granulation

NLM – Duncan Oil Based Translucent Stains / Zerex Extreme Life Ready-To-Use Antifreeze/Coolant

Chemical: cis-1,2-Dichloroethene **CAS: 156-59-2**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Germ cell
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

Chemical: cis-1,2-Dichloroethene **CAS: 156-59-2**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	200
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6410
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - Solvent for fats, phenols, camphor, etc,; retard fermentation; rubber manufacturing; refrigerant; additive to dye and lacquer solutions; low-temperature solvent for heat-sensitive substances (eg, caffeine); constituent of perfumes, thermoplastics; used in organic synthesis and medicine /cis and trans isomers/

Chemical: trans-1,2-Dichlorethene **CAS: 156-60-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

6. TDLos of 76000 ppm on RTECS w/ significant effects.

Chemical: trans-1,2-Dichlorethene **CAS: 156-60-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	331
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	4520
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - Solvent for fats, phenols, camphor, etc; retard fermentation; rubber manufacturing; refrigerant; additive to dye and lacquer solutions; low-temperature solvent for heat-sensitive substances (eg, caffeine); constituent of perfumes, thermoplastics; used in organic synthesis and medicine /cis and trans isomers/

Chemical: Carbonyl sulfide **CAS: 438-58-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

Flagged for toxicity by IRIS_OTHER

Chemical: Carbonyl sulfide **CAS: 438-58-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	9412
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1220
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA051

HSDB - **Carbonyl sulfide (**COS) is a new grain fumigant which has been developed to replace methyl bromide

Chemical: Cyanogen chloride **CAS: 506-77-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

Chemical: Cyanogen chloride **CAS: 506-77-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1230
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	27.5
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - Chemical synthesis; military poison gas

Chemical: 2,2,4-Trimethylpentane **CAS: 540-84-1**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Flagged for toxicity by IRIS OTHER

Chemical: 2,2,4-Trimethylpentane **CAS: 540-84-1**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	40.6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insol
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - IN DETERMINING OCTANE NUMBERS OF FUELS; IN SPECTROPHOTOMETRIC ANALYSIS; AS SOLVENT & THINNER.

Chemical: Octamethylcyclotetrasiloxane CAS: 556-67-2

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: Octamethylcyclotetrasiloxane CAS: 556-67-2

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.05
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	.005
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA068 perfume in toys & children's articles; DEPA088 cosmetic products for children

19. NLM - Alberto Culver Motions Kids Strength Hairdress (Ethnic)

27. DEPA032 electronics; DEPA052 shoe care products

Chemical: PeCB; pentachlorobenzene **CAS: 608-93-5**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. 3 studies at 71 g - oral rat studies from 1975

Chemical: PeCB; pentachlorobenzene **CAS: 608-93-5**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.0065
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1.33
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	comment
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	IUR

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

26. Was found in Damgaard 2006 and Peters 2005a

27. HSDB - Chem int for pentachloronitrobenzene

Chemical: 2,4-Diaminoanisole **CAS: 615-05-4**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	mutagen
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 2,4-Diaminoanisole **CAS: 615-05-4**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.047
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA032 electronics

Chemical: Methylisocyanate **CAS: 624-83-9**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. 6 studies with TDLo below 10 ppm. Lowest at 1 ppm/6H

Chemical: Methylisocyanate **CAS: 624-83-9**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	348
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	2.9x10+4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. DEPA066 electrical and electronic products

Chemical: Hexamethylene-1,6-diisocyanate **CAS:** 822-06-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS OTHER
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Chemical: Hexamethylene-1,6-diisocyanate **CAS:** 822-06-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0.5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	Comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB - HEXAMETHYLENE DIISOCYANATE IS USED AS A CROSSLINKING AGENT IN PREPARATION OF DENTAL MATERIALS, CONTACT LENSES, MEDICAL ADSORBANTS AND PRODUCTION OF POLYURETHANE.

Chemical: 4,4'-Methylene bis(2-methylaniline) **CAS:** 838-88-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Cat. 2 / Classification not possible
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

4. "There was no in vivo test result and there was a positive result by Ames test (IUCLID (2000)), however, the data was insufficient and we presupposed that we could not classify it."

Chemical: 4,4'-Methylene bis(2-methylaniline) **CAS:** 838-88-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comments
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. DEPA_090 (Baby products)

27. DEPA_032 (Electronics)

Chemical: C.I. Solvent Yellow 14 **CAS:** 842-07-9

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: C.I. Solvent Yellow 14 **CAS:** 842-07-9

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA_060, Tents

Chemical: 1-Methyl-2-pyrrolidinon; NMP **CAS:** 872-50-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Reproductive
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 1-Methyl-2-pyrrolidinon; NMP **CAS:** 872-50-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.345
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	miscable
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comments
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. DEPA_060 (wooden toys)

27. Found in 5 DEPA studies – 032, 049, 58, 59, 100 (electronics, wood, textile colorants, glass and porcelain colorants, and artificial turf)

Chemical: N- nitrosodibutylamine; NDBA **CAS:** 924-16-3

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	Comment
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

6. RTECS – Several old studies seems to indicate some developmental effects, all studies are from the 1970's

Chemical: N- nitrosodibutylamine; NDBA **CAS:** 924-16-3

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.69x10-2
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1270 @ 24
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Unlikely

Final Exposure Determination

Possible

Comments

14. DEPA_89 (Hobby), NL_2002 (teats), NL_2005b (balloons)

Chemical: N-nitrosopyrrolidine **CAS:** 930-55-2

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: N-nitrosopyrrolidine **CAS:** 930-55-2

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Miscible
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. NL_2005b (balloons)

Chemical: 2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether; BDE-209 **CAS:** 1163-19-5

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Germ cell mutagencity
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	Comment
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

6. RTECS – only one study at 100mg/k

Chemical: 2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether; BDE-209 **CAS:** 1163-19-5

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.67x10-12
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1x10-4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	other
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

26. Found in Gomara_2007 and Zalko 2007 biomonitoring studies

27. DEPA 32, 75 and Peters_2003 (electronics, indoor climate, and Peters_2003)

Chemical: Diarsenic trioxide **CAS: 1327-53-3**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

6. many studies in this range

Chemical: Diarsenic trioxide **CAS: 1327-53-3**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.47x10-4
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1.7x10+4
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

27. HSDB - Pigments; ceramic enamels; aniline colors; decolorizing agent in glass; sheep and cattle dip; hide preservative; wood preservative; preparation of other arsenic compounds.

Chemical: Carbon black **CAS:** 1333-86-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Carbon black **CAS:** 1333-86-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	comments

Final Child Prod. Determination

Possible

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	Negligible @ 20
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

19.NLM - Burts Bees, Baby Bee, Diaper Ointment with Vitamin A and Vitamin E

27. NLM – In many products mostly inks and paint. EWG – in 5 products

HSDB – "USED AS A PIGMENT FOR RUBBER TIRES, FOR PRINTING, STENCILING & DRAWING INKS; FOR LEATHER, STOVE POLISH, PHONOGRAPH RECORDS, FOR ELECTRICAL INSULATING APPARATUS."

Chemical: Tetrabutyltin **CAS:** 1461-25-2

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. RTECS one study at 3916 mg/k

Chemical: Tetrabutyltin **CAS:** 1461-25-2

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Unlikely

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	Peters2003
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. not found in DEPA_070 and 090

Chemical: Methyl tert-butyl ether; MTBE **CAS:** 1634-04-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	4000PPM LOAEL

Final Dev. & Repro. Determination

No

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS OTHER
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Bad

Final Toxicity Determination

Worst

Comments
IRIS OTHER

Chemical: Methyl tert-butyl ether; MTBE **CAS:** 1634-04-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	250
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1000
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	other
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	Gas
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

26. Found in Kim 20007 biomonitoring study

Chemical: perfluorooctanyl sulphonic acid and its salts; PFOS **CAS:** 1763-23-1

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	Reproductive
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	Comments
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

6. many studies in RTECS in this range

Chemical: perfluorooctanyl sulphonic acid and its salts; PFOS **CAS:** 1763-23-1

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	DEPA_075
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

Chemical: 4-Octylphenol **CAS:** 1806-26-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comments
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. RTECS- Several rat studies bellow 600 ug/k

Chemical: 4-Octylphenol **CAS:** 1806-26-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

20. NL_2005a (Plastic toys for children <3 yrs old)

Chemical: C.I Pigment Red 3; Toluidine Red; 2-Naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo] **CAS:** 2425-85-6

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

ON Can_PBiT list

Chemical: C.I Pigment Red 3; Toluidine Red; 2-Naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo] **CAS:** 2425-85-6

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	3.7x10-11
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	4.6x10-2
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. DEPA_093 (children's hobby products)

27. NLM – in 4 products

Chemical: MEHP; Mono-2-ethylhexyl phthalate **CAS:** 4376-20-9

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comments
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. RTECS Many studies in all ranges

Chemical: MEHP; Mono-2-ethylhexyl phthalate **CAS:** 4376-20-9

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

Chemical: 2-Ethylhexyl-p-methoxycinnamate **CAS:** 5466-77-3

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: 2-Ethylhexyl-p-methoxycinnamate **CAS:** 5466-77-3

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	Comments
17. Environmental Working Group database use in children's products		Yes	Not found	NI	Comments
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Possible

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.4x10-5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	.16
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

16. HSDB – "The most widely used sunscreen ingredient in the United States, octyl methoxycinnamate is thought to be the UVB filter in 90% of sun lotions"

17. EWG – this substance is in 4352 products including many kids products like BABY BLANKET KIDS SUNBLOCK STICK

27. EWG – this substance is in 4352 products

Chemical: Mercury & mercury compounds **CAS:** 7439-97-6

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	Reproductive
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	methyl mercury
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	methyl mercury
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: Mercury & mercury compounds **CAS:** 7439-97-6

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	comment
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	.002
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	.28umol/L
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	methyl mercury
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA_084 (School products) and looked for but not found in DEPA_70 (foam toys)

21. ChAMP - Based on its initial prioritization, EPA considers Mercury in Certain Products to be of special concern warranting special attention and that further analysis for action is a high priority. … After preliminary analyses, EPA is considering the following actions: … Continuing to gather information on certain mercury-containing **toys, jewelry, and novelty items**. …

In order to confirm or refute the high priority and special concern prioritization based on environmental and human health exposure and hazard data, particularly concerning ongoing market viability of certain mercury-containing products and potential exposures to workers, consumers, and **children**, companies are encouraged to provide available information on a voluntary and non-confidential basis.

27. EWG – found in 5 products NLM – found in one product

Chemical: Molybdenum & Molybdenum compounds **CAS:** 7439-98-7

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments
IRIS other

Chemical: Molybdenum & Molybdenum compounds **CAS:** 7439-98-7

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1Pa @ 2469
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA_084(school)

27. DEPA_065 (Kohl & henna products)

Chemical: Nickel & Nickel compounds **CAS:** 7440-02-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments
IRIS Other

Chemical: Nickel & Nickel compounds **CAS:** 7440-02-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14 Found in DEPA 67, 84 and 93 (slimy toys, school supplies, and hobby products)

Chemical: Radium 226 and Radium 228 (combined) **CAS:** 7440-14-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments
IRIS Other

Chemical: Radium 226 and Radium 228 (combined) **CAS:** 7440-14-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

NI

Final Exposure Determination

NI

Comments

Chemical: Silver & Silver compounds **CAS:** 7440-22-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Chemical: Silver & Silver compounds **CAS:** 7440-22-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comments
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. DEPA_84(school products) and DEPA_93 (hobby products)

27. EWG – found in 16 products NLM – found in 8 products. Was also found in DEPA 65 and 94

Chemical: Strontium & Strontium compounds **CAS:** 7440-24-6

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments
IRIS Other

Chemical: Strontium & Strontium compounds **CAS:** 7440-24-6

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comments
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.99x10-11 @400K
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. DEPA_67 and 84 (Slimy toys and schools supplies)

27. Found in DEPA 52, 58, 65 (Shoe care products, textile colorants, and Kohl & henna products)

Chemical: Antimony & Antimony compounds **CAS:** 7440-36-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Antimony & Antimony compounds **CAS:** 7440-36-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1 @ 866
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	insoluble
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA_ 67, 84, 90 and 93 (slimy toys, school supplies, baby products, and hobby). Looked for and not found in DEPA_70

27. found in DEP_55, 58, 65, and 94 (lip care products, textile colorants, henna products, and jewelry)

Chemical: Arsenic & Arsenic compounds **CAS:** 7440-38-2

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				Comments
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

2. Was nominated and then differed due to chemicals with higher priorities

Chemical: Arsenic & Arsenic compounds **CAS:** 7440-38-2

Exposure

I. Presence in a Child Product

	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure

	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure

	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA_84 (School supplies)and looked for but not found in DEPA_70 (Foam toys)

27. DEPA_56 and 65 (toys for animals and henna products)

Chemical: Beryllium & Beryllium compounds **CAS:** 7440-41-7

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Beryllium & Beryllium compounds **CAS:** 7440-41-7

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

27. DEPA_65 (Henna products)

Chemical: Boron & Boron compounds **CAS:** 7440-42-8

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Chemical: Boron & Boron compounds **CAS:** 7440-42-8

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. DEPA_067 (slimy toys)

27. DEPA 59 and 65 (Glass and Porcelain and Henna products)

Chemical: Cobalt & Cobalt compounds **CAS:** 7440-48-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Cobalt & Cobalt compounds **CAS:** 7440-48-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	Comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

14. DEPA 67 and 84 (Slimy toys and school supplies)

27. DEPA 59 and 65 (glass and porcelain and henna products)

Chemical: Copper & Copper compounds **CAS:** 7440-50-8

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

Chemical: Copper & Copper compounds **CAS:** 7440-50-8

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1 @ 1629
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	N/A
- What is its half-life in air (days)?		>2	< 2	NI	N/A
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	N/A
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

14. DEP_067 (Slimy toys), DEPA_084 (School bags & school items), DEPA_93 (Hobby products for children)

27. EWG – found in over 200 products, mostly cosmetic products; NLM – Found in several types of household products (paints, pesticides, solder)

Chemical: **CAS:** 7440-61-1

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS OTHER
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

Chemical: **CAS:** 7440-61-1

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	0 @ 20
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Insol.
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	N/A
- What is its half-life in air (days)?		>2	< 2	NI	N/A
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	N/A
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Possible

Comments

Chemical: Hydrochloric acid **CAS:** 7647-01-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	Only one Study
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	In RTECS
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	IRIS OTHER
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments
IRIS Other

Chemical: Hydrochloric acid **CAS:** 7647-01-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	35,424
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	673 G / L
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. NLM – many household cleaning products; EWG found in 57 products (mostly eye drops).

Chemical: Fluorine and it's compounds **CAS:** 7782-41-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS OTHER
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Bad

Comments

10. IRIS Other

Chemical: Fluorine and it's compounds **CAS:** 7782-41-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1 @ -233
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	1.69
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	N/A
- What is its half-life in air (days)?		>2	< 2	NI	N/A
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	N/A
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB – "Production of metallic and other fluorides; production of fluorocarbons; active constituent of fluoridating compounds used in drinking water, toothpastes, etc."

Chemical: Nonylphenol ethoxyxlates **CAS:** 9016-45-9

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	Comment
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. RTECS Lists 10 chemicals with the same CAS #. None of these chemicals have reproduction data

Chemical: Nonylphenol ethoxyxlates **CAS:** 9016-45-9

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. NLM – found in adhesive removers, cleaning products, hair dye and a hand cleaning product; EWG – Found in 80 products but none appear to be marketed towards children. These products are mostly hair dye and hair care products.

Chemical: Chlorine dioxide **CAS:** 10049-04-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Bad

Final Toxicity Determination

Bad

Comments

6. RTECS - Several Rat studies in these ranges

Chemical: Chlorine dioxide **CAS:** 10049-04-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	758 @ 20
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	3.01 G/L
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. EWG – found in one breath freshener

HSDB – Used in swimming pools

Chemical: Nitric oxide; NO **CAS:** 10102-43-9

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	No RTECS
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	Reproduction
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	Data
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

10. IRIS Other

Chemical: Nitric oxide; NO **CAS:** 10102-43-9

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	45600 mmHg @ -94.8
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	46 ml/L@ 20
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Nitrogen dioxide **CAS:** 10102-44-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS OTHER
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Severe

Comments

6. RTECS- Many rat studies in this range

10. IRIS other

Chemical: Nitrogen dioxide **CAS:** 10102-44-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	908
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Reacts W/ water
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	N/A
- What is its half-life in air (days)?		>2	< 2	NI	N/A
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	N/A
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

Chemical: Quartz **CAS:** 14808-60-7

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Quartz **CAS:** 14808-60-7

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	comment
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Possible

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	N/A
- What is its half-life in air (days)?		>2	< 2	NI	N/A
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	N/A
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

17. EWG- "Dr. Scholl's Clear Away Wart Remover" – Dr. Scholl's web says the product is great for kids.

27. EWG – Substance found in 91 products

Chemical: Radon; 222Rn **CAS:** 14859-67-7

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	IRIS OTHER
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Different CAS # in Reprotext for Radon 222 is A-

Chemical: Radon; 222Rn **CAS:** 14859-67-7

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

NI

Final Exposure Determination

NI

Comments

Chemical: Bromate **CAS:** 15541-45-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Worst

Final Toxicity Determination

Worst

Comments

Chemical: Bromate **CAS:** 15541-45-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	N/A
- What is its half-life in air (days)?		>2	< 2	NI	N/A
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	N/A
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

NI

Final Exposure Determination

NI

Comments

This substance has been found in drinking water studies

Chemical: Methylmercury **CAS: 22967-92-6**

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Worst

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	KNO	LIK	SUG	UNL	INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Bad

Final Toxicity Determination

Worst

Comments

Chemical: Methylmercury **CAS: 22967-92-6**

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	comment
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	comment
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

21. ChAMP - Based on its initial prioritization, EPA considers Mercury in Certain Products to be of special concern warranting special attention and that further analysis for action is a high priority. … After preliminary analyses, EPA is considering the following actions: … Continuing to gather information on certain mercury-containing **toys, jewelry, and novelty items**. …

In order to confirm or refute the high priority and special concern prioritization based on environmental and human health exposure and hazard data, particularly concerning ongoing market viability of certain mercury-containing products and potential exposures to workers, consumers, and **children**, companies are encouraged to provide available information on a voluntary and non-confidential basis.

26. Found in Bjornberg 2007

Chemical: Butylated Hydroxyanisole; BHA **CAS:** 25013-16-5

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	RTECS >12g
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Bad

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Worst

Comments

Chemical: Butylated Hydroxyanisole; BHA **CAS:** 25013-16-5

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	comment
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	comment

Final Child Prod. Determination

Possible

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	Insol.
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

17. EWG - LANDER BABY DIAPER RASH OINTMENT and several other diaper creams

19. NLM - Desitin Diaper Rash Ointment, Hypoallergenic and other diaper creams

27. EWG – this substance is in 651 products NLM – numerous products

Chemical: Nonylphenol **CAS:** 25154-52-3

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	Reproductive
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	Reproductive
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	RTECS
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	Comment
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. Three lowest studies in this range

Chemical: Nonylphenol **CAS:** 25154-52-3

Exposure

I. Presence in a Child Product

	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	comment
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure

	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.36x10-5
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6.35
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure

	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	Other
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Known

Comments

14. found in **DEPA_084(School bags & school items) and NL_2005a (Plastic toys<3 yrs old)**

26. This substance was found in peters 2005a biomonitoring study

27. Found in DEPA_100 (Turf)

Chemical: Hexabromocyclododecane **CAS:** 25637-99-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	82.5 (RTECS)
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Phase 3

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

This substance is on the Washington PBT list

Chemical: Hexabromocyclododecane **CAS:** 25637-99-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	comment
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

Known

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	4.72x10-6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	comment
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	6.56x10-3
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Known

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Known

Final Exposure Determination

Known

Comments

15 and 27. EU RA - The main downstream uses of HBCDD are in the polymer and textile industries. HBCDD can be used on its own or in combination with other flame retardants e.g. antimony trioxide and decabromodiphenyl ether. HBCDD is used in four principal product types, which are:

· Expandable Polystyrene (EPS) · Extruded Polystyrene (XPS) · High Impact Polystyrene (HIPS) · Polymer dispersion for textiles …

4.1.1.3 Consumer exposure

There is no known direct private use of HBCDD as the substance as such. However articles containing HBCDD are sold to consumers. The general uses of end-products containing HBCDD can be found in Table 2-2. End-products used by consumers are e.g. packing material, insulation boards, electric housing, and textile backcoating in e.g. home furniture and automobile interior and children car seats and videocassettes.

24. Children's car seats are likely to be mouthed by children under the age of three.

Chemical: Toluene diisocyanate; TDI **CAS:** 26471-62-5

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

No

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	Other
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	Cat 3
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: Toluene diisocyanate; TDI **CAS:** 26471-62-5

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	2.3x10-2
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Unlikely

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. HSDB – "Used principally in polyurethanes as flexible foams for upholstery and other types of padding." And "Polyurethane coatings made from toluene diisocyanates are used in floor finishes, wood finishes and sealers, and in coatings for aircraft, tank trucks, truck trailers and truck fleets."

Chemical: 1,1,3,3 Tetramethylbutyl phenol **CAS:** 27193-28-8

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	comment
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

Worst

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Worst

Comments

6. RTECS has one intravenous study indicating developmental toxicity

Chemical: 1,1,3,3 Tetramethylbutyl phenol **CAS:** 27193-28-8

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	Not in HSDB
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. Found in DEPA_100, turf. EWG – found in 4 sunscreen products. None of these products appear to be marketed towards children.

Chemical: Octachlorostyrene **CAS:** 29082-74-4

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

NI

Final Toxicity Determination

Phase 3

Comments

Chemical: Octachlorostyrene **CAS:** 29082-74-4

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	Other
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

26. Substance found in Damgaard 2006 biomonitoring study.

27. HSDB – "Octachlorostyrene is mainly an accidental by-product of high temperature industrial processes involving chlorine such as the electrolytic production of chlorine gas or magnesium, the refining and degassing of an aluminum smelt, and the chlorination and distillation processes of niobium and tantalum production."

Chemical: Naphta (crude oil), hydrotreated heavy **CAS:** 64742-48-9

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	Comment
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

Severe

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

3. ESIS - EU Category 2 germ cell mutagen

Chemical: Naphta (crude oil), hydrotreated heavy **CAS:** 64742-48-9

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

NI

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	Comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

27. EWG – Found in 3 hair care products that do not seem to be intended for children.

This substance is on the Can_PBiT list.

Chemical: 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone **CAS:** 77439-76-0

Toxicity

I. Developmental or Reproductive Toxicity	Worst	Severe	Bad	No	No Info	Value or Comment
1. Prop 65						
Identified as developmental or reproductive toxicant	Yes				NI	
2. NTP CERHR finding						
Clear or some evidence of adverse effects in humans	Yes					
Limited evidence in humans or some evidence in animals		Yes				
Limited evidence in animals			Yes			
Some or clear evidence of no observable adverse effects				Yes		
3. EU Existing Substances						
Identified as Category 1, 2 or 3	Cat 1	Cat 2	Cat 3		NI	
4. GHS						
Identified as Category 1A, 1B or 2 for reproductive toxicity or germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		NI	
5. REPROTEXT						
Rated as A^+, A, A^-, B^+, B, B^-, C, D, E, F	A+, A	A-, B+	B	E, F	B^-, C, D, NR	
6. LOAEL or RTECS TDLo or TCLo						
Oral value (mg/kg-bw/day)	< 50	≥ 50 - ≤ 250	> 250		NI	
Dermal value (mg/kg-bw/day)	< 100	≥ 100 - ≤ 500	> 500		NI	
Inhalation (vapor) value (mg/L/day)	< 1.0	≥ 1.0 - ≤ 2.5	> 2.5		NI	
Inhalation (dust/mist/fume) value (mg/L/day)	< 0.1	≥ 0.1 - ≤ 0.5	> 0.5		NI	
Inhalation (gas) value (ppm/day)	< 50	≥ 50 - ≤ 250	> 250		NI	

Final Dev. & Repro. Determination

NI

II. Endocrine Disruption	Worst	Severe	Bad	No	No Info	Value or Comment
7. EU Endocrine Disruptor Program						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	

Final ED Determination

NI

III. Carcinogenicity	Worst	Severe	Bad	No	No Info	Value or Comment
8. IARC						
Identified as Category 1, 2A, 2B, 3, 4	Cat 1	Cat 2A	Cat 2B	Cat 4	Cat 3 or NI	
9. NTP						
Identified as known or reasonably anticipated	Known	Anticipated			NI	
10. EPA IRIS						
Identified in 1986 criteria	Cat A	Cat B1 or B2	Cat C	Cat E	Cat D or NI	
Identified in 1996 criteria	KNO			UNL	UNK or NI	
Identified in 1999 criteria	KNO	LIK	SUG	UNL	INA or NI	
Identified in 2005 criteria	LIK	SUG			INA or NI	
11. EU Carcinogen list						
Identified as Category 1 or 2	Cat 1	Cat 2			NI	
12. GHS						
Identified as Category 1A, 1B or 2 for carcinogenicity	Cat 1A	Cat 1B	Cat 2		NI	
13. Proposition 65 list						
Identified as a carcinogen		Yes			NI	

Final Carc. Determination

Severe

Final Toxicity Determination

Severe

Comments

Chemical: 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone **CAS:** 77439-76-0

Exposure

I. Presence in a Child Product	Known	Possible	Unlikely	No Info	Value or Comment
14. Found in Danish EPA or Dutch studies and reports	Yes		Not found	NI	
15. EU or authoritative Risk Assessment indicating use in children's products	Yes		Not found	NI	
16. Evidence in data in HSDB indicating use in children's products		Yes	Not found	NI	Comment
17. Environmental Working Group database use in children's products		Yes	Not found	NI	
18. EPA's Inventory Use and Reporting database (IUR) indicating use in children's products		Yes	Not found	NI	
19. NLM Household products database indicating use in children's products		Yes	Not found	NI	

Final Child Prod. Determination

NI

II. Potential for Individual Child Exposure	Known	Possible	Unlikely	No Info	Value or Comment
20. Do Danish and Dutch studies or any authoritative risk assessment indicate any exposure potential for children?	Yes			NI	
21. Does the ChAMP program indicate any exposure potential for children?	Yes			NI	
22. Is the chemical included in EPA's VCCEP?		Yes		NI	
23. Inhalation					
Is the product type or use likely to release toxics into the air?	Yes			NI	
- What is the chemical's vapor pressure (mmHg at 25 degrees C)?		≥ 1	< 1	NI	1.64x10-6
24. Ingestion or Mouthed or Sucked by children					
Is product type or use likely ingested or mouthed or sucked by children?	Yes			NI	
- What is the chemical's water solubility (mg/L) at 25°C?		≥ 1,000	< 1,000	NI	5602
25. Dermal					
Is product type or use likely applied to, be absorbed into or remain in contact with skin?	Yes			NI	
- How long does the product remain in contact with the skin?	> 1hr	> 3 min - < 1hr	< 3 min	NI	

Final Ind. Exp. Determination

Possible

III. Potential for Population Exposure	Known	Possible	Unlikely	No Info	Value or Comment
26. Is the chemical found in the NHANES biomonitoring studies?	Yes		Not found	NI	
27. Is the chemical found in consumer and household products?		Yes	Not present	NI	comment
28. Is the chemical found in indoor house dust and air?		Yes	Not present	NI	
29. PBT Characteristics					
Is the chemical on Ecology's PBT list?	Yes			NI	
- What is its half-life in water, soil or sediment (months)?		≥ 6	< 6	NI	
- What is its half-life in air (days)?		>2	< 2	NI	
- What is its bioconcentration factor?		≥ 5000	< 5,000	NI	
30. Amount produced (lbs)/yr based on HSDB, IUR & HPV data?		≥ 1,000,000	< 1,000,000	NI	

Final Pop. Exp. Determination

Possible

Final Exposure Determination

Possible

Comments

16 and 27. HSDB - "3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX) is not known to be produced commercially except for research purposes."

This chemical was found in three drinking water studies; Boorman 1999, Smed 1997, and Wright 2002.