IRIS *Integrated Risk Information System*

http://www.epa.gov/iris/

"IRfC" is the Inhalation Reference concentration.
"IUR" is the Inhalation Unit Risk.

IRIS lists 544 substances. This is a table of the 112 substances for which IRIS provides an IRfC or IUR through Spring 2004. Because EPA revises IRIS on an ongoing basis, some of these numbers may be out of date.

IRfC (mg/m3)	IUR (ug/m3)	Name [CAS#] {Modifier}
0.009	).0000022	Acetaldehyde [75-07-0]
0.06		Acetonitrile [75-05-8]
0.00002		Acrolein [107-02-8]
	0.0013	Acrylamide [79-06-1]
0.001		Acrylic acid [79-10-7]
0.002	0.000068	Acrylonitrile [107-13-1]
	0.0049	Aldrin [309-00-2]
0.001		Allyl chloride [107-05-1]
0.1		Ammonia [7664-41-7]
0.001		Aniline [62-53-3]
0.0002		Antimony trioxide [1309-64-4]
	).0000071	Aramite [140-57-8]
	0.0043	Arsenic [7440-38-2] {inorganic}
0.00005		Arsine [7784-42-1]
	0.23	Asbestos [1332-21-4] {fibers/ml}
	0.000031	Azobenzene [103-33-3]
0.03	).0000078	Benzene [71-43-2]
	0.067	Benzidine [92-87-5]
0.02	0.0024	Beryllium [7440-41-7] {& compounds}
	0.00033	Bis(2-chloroethyl)ether [111-44-4]
	0.062	Bis(chloromethyl)ether [542-88-1]
	).0000011	Bromoform [75-25-2]
0.005		Bromomethane [74-83-9]
.002	0.00003	1,3- Butadiene [106-99-0]
	0.0018	Cadmium [7440-43-9]
0.7		Carbon disulfide [75-15-0]
	0.000015	Carbon tetrachloride [56-23-5]
0.0007	0.0001	Chlordane [12789-03-6] {technical}
0.0002		Chlorine dioxide [10049-04-4]
50		1- Chloro-1,1-difluoroethane [75-68-3]
0.00003		2- Chloroacetophenone [532-27-4]
50		Chlorodifluoromethane [75-45-6]
	0.000023	Chloroform [67-66-3]
	0.012	Chromium (VI) [18540-29-9]
).000008	0.012	Chromium (VI) [18540-29-9] {chromic acid mists and dissolved Cr(VI) aerosols}
0.0001	0.012	Chromium (VI) [18540-29-9] {particulates}
	0.00062	Coke oven emissions [8007-45-2]
6		Cyclohexane [110-82-7]
0.0002		1,2- Dibromo-3-chloropropane [96-12-8]
	0.00022	1,2- Dibromoethane [106-93-4]
0.8		1,4- Dichlorobenzene [106-46-7]
	0.000097	p,p'- Dichlorodiphenyltrichloroethane [50-29-3]
	0.000026	1,2- Dichloroethane [107-06-2]
0.2		1,1- Dichloroethylene [75-35-4]
	00000047	Dichloromethane [75-09-2]
0.004		1,2- Dichloropropane [78-87-5]
0.02	0.000004	1,3- Dichloropropene [542-75-6]
0.0005		Dichlorvos [62-73-7]
	0.0046	Dieldrin [60-57-1]
0.005		Diesel engine exhaust [no #]
40		1,1- Difluoroethane [75-37-6]
0.03		N,N- Dimethylformamide [68-12-2]
	0.00022	1,2- Diphenylhydrazine [122-66-7]
0.001	).0000012	Epichlorohydrin [106-89-8]
0.02		1,2- Epoxybutane [106-88-7]
0.2		2- Ethoxyethanol [110-80-5]
10		Ethyl chloride [75-00-3]
1		Ethylbenzene [100-41-4]
13		Ethylene glycol monobutyl ether [111-76-2]
	0.000013	Formaldehyde [50-00-0]
	0.0013	Heptachlor [76-44-8]
	0.0026	Heptachlor epoxide [1024-57-3]
	0.00046	Hexachlorobenzene [118-74-1]
	0.000022	Hexachlorobutadiene [87-68-3]
	0.00053	beta- Hexachlorocyclohexane [319-85-7]
	0.00051	technical Hexachlorocyclohexane [608-73-1]
	0.0018	alpha- Hexachlorocyclohexane [319-84-6]
0.0002		Hexachlorocyclopentadiene [77-47-4]
	1.3	Hexachlorodibenzo-p-dioxin [19408-74-3] {mixture}
	).0000040	Hexachloroethane [67-72-1]
0.00001		1,6- Hexamethylene diisocyanate [822-06-0]
0.2		n- Hexane [110-54-3]

IRfC (mg/m3)	IUR (ug/m3)	Name [CAS#] {Modifier}
	0.0049	Hydrazine [302-01-2] {/ Hydrazine sulfate [10034-93-2]}
0.02		Hydrogen chloride [7647-01-0]
0.003		Hydrogen cyanide [74-90-8]
0.002		Hydrogen sulfide [7783-06-4]
0.00005		Manganese [7439-96-5]
0.0003		Mercury, elemental [7439-97-6]
0.02		2- Methoxyethanol [109-86-4]
0.09		Methyl chloride [74-87-3]
5		Methyl ethyl ketone [78-93-3]
3		Methyl isobutyl ketone [108-10-1]
0.7		Methyl methacrylate [80-62-6]
3		Methyl tert-butyl ether [1634-04-4]
0.0006		Methylene Diphenyl Diisocyanate [9016-87-9] {polymeric}
0.0006		Methylene Diphenyl Diisocyanate [101-68-8] {monomeric}
0.0006		Methylene Diphenyl Diisocyanate and polymeric MDI [no #]
0.0001		Methylmercury [22967-92-6]
0.003		Naphthalene [91-20-3]
	0.00024	Nickel refinery dust [no #]
	0.00048	Nickel subsulfide [12035-72-2]
0.02		2- Nitropropane [79-46-9]
	0.043	N- Nitrosodiethylamine [55-18-5]
	0.014	N- Nitrosodimethylamine [62-75-9]
	0.0016	N- Nitroso-di-n-butylamine [924-16-3]
	0.00061	N- Nitrosopyrrolidine [930-55-2]
0.3		Phenol [108-95-2]
0.0003		Phosphine [7803-51-2]
0.01		Phosphoric acid [7664-38-2]
	0.0001	Polychlorinated biphenyls [1336-36-3] {evaporated cogeners}
2		Propylene glycol monomethyl ether [107-98-2]
0.03	).0000037	Propylene oxide [75-56-9]
1		Styrene [100-42-5]
	0.000058	1,1,2,2- Tetrachloroethane [79-34-5]
	).0000074	1,1,1,2- Tetrachloroethane [630-20-6]
80		1,1,1,2- Tetrafluoroethane [811-97-2]
0.4		Toluene [108-88-3]
0.00007		2,4-/2,6- Toluene diisocyanate mixture [26471-62-5]
	0.00032	Toxaphene [8001-35-2]
	0.000016	1,1,2- Trichloroethane [79-00-5]
	).0000031	2,4,6- Trichlorophenol [88-06-2]
0.007		Triethylamine [121-44-8]
0.2		Vinyl acetate [108-05-4]
0.003		Vinyl bromide [593-60-2]
0.1	).0000088	Vinyl chloride [75-01-4]
0.1		Xylenes [1330-20-7]