

CAS 140-66-9

Substance name 4-tert-Octylphenol (also called 4-(1,1,3,3-tetramethylbutyl)phenol)

Toxicity

4-tert-octylphenol has been classified as a Category 1 endocrine disruptor by the European Union.¹ Studies in rats have found 4-tert-octylphenol to have uterotrophic effects,² to cause early vaginal opening,³ to disrupt the estrous cycle,⁴ and to cause abnormal sperm development.⁵

Exposure

A Dutch study of plastics in children's products found 4-tert-octylphenol in 5 out of 48 polyvinyl chloride plastics and 1 poly(isopropyl methacrylate) plastic.⁶ In a large biomonitoring study, 4-tert-octylphenol was detected in 57% of the general US population.⁷

References

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