

TEDX List of Potential Endocrine Disruptors

butyl paraben

CAS # 94-26-8

Alternative Names

n-butyl-4-hydroxybenzoate
N-butyl-p-hydroxybenzoate

Categories*

Antimicrobial
Food additives and contact material
Medical/Veterinary/Research
Personal care product/Cosmetic ingredient
Pesticide ingredient

Evidence Supporting This Chemical as an Endocrine Disruptor

Boberg J, Metzendorff S, Wortziger R, Axelstad M, Brokken L, Vinggaard AM, Dalgaard M, Nellemann C. 2008. Impact of diisobutyl phthalate and other PPAR agonists on steroidogenesis and plasma insulin and leptin levels in fetal rats. *Toxicology* 250(2-3):75-81.

Chen JG, Ahn KC, Gee NA, Gee SJ, Hammock BD, Lasley BL. 2007. Antiandrogenic properties of parabens and other phenolic containing small molecules in personal care products. *Toxicol Appl Pharmacol* 221(3):278-284.

Gomez E, Pillon A, Fenet H, Rosain D, Duchesne MJ, Nicolas JC, Balaguer P, Casellas C. 2005. Estrogenic activity of cosmetic components in reporter cell lines: parabens, UV screens, and musks. *J Toxicol Environ Health A* 68(4):239-251.

Song BL, Peng DR, Li HY, Zhang GH, Zhang J, Li KL, Zhao YQ. 1991. Evaluation of the effect of butyl p-hydroxybenzoate on the proteolytic activity and membrane function of human spermatozoa. *J Reprod Fertil* 91(2):435-440.

Taxvig C, Vinggaard AM, Hass U, Axelstad M, Boberg J, Hansen PR, Frederiksen H, Nellemann C. 2008. Do parabens have the ability to interfere with steroidogenesis? *Toxicol Sci* 106(1):206-213.

*Category References

US Dept of Health & Human Services. Household Products Database.
US EPA. InertFinder.
US National Library of Medicine. Haz-Map.
US National Library of Medicine. Hazardous Substances Data Bank.



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