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Fact Sheet: Potentially Toxic Chemicals in Personal Care Products



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On a daily basis, Americans are exposed to many of the 80,000 chemicals currently used in the U.S. See an @NYHFoundation fact sheet on potentially toxic chemicals found in personal care products:

On a daily basis, Americans are exposed to many of the 80,000 chemicals currently used in the United States—few of which are adequately tested for their effects on health.

A growing body of scientific evidence shows that even the smallest dose of some chemicals can be harmful, including those found in commercial products such as cosmetics, personal care products, cleaning products, and children's products.

Get a <u>printable fact sheet</u> on potentially toxic chemicals that are commonly found in everyday products.

Full List of References

- 1. Environmental Working Group, "Why this matters Cosmetics and your health," https://www.ewg.org/skindeep/why-this-matters-cosmetics-and-your-health/#.WvcK2dMvzBl accessed May 2018.
- 2. Ibid.
- 3. Ibid.
- 4. Campaign for Safe Cosmetics, "The Big Multinational's Policies on the Use of Chemicals of Concern in Cosmetics," http://www.safecosmetics.org/get-the-facts/big-7/, accessed



- Ingredients," https://www.canada.ca/en/health-canada/services/consumer-product-safety/cosmetics/cosmetic-ingredient-hotlist-prohibited-restricted-ingredients.html, accessed May 2018.
- 7. California Department of Public Health, "California Safe Cosmetics Program Product Database," https://safecosmetics.cdph.ca.gov/search/, accessed May 2018.
- California Department of Toxic Substances Control, "Safer Consumer Products," http://www.dtsc.ca.gov/SCP/WhatIsTheSCPProgram.cfm, accessed May 2018.
- 9. S. Department of Health and Human Services, National Toxicology Program, "Report on Carcinogens: Fourteenth Edition," 2016. https://ntp.niehs.nih.gov/pubhealth/roc/index-1.html
- Masui, T., Hirose, M., Imaida, K., et al. (1986). Sequential changes of the forestomach of F344 rats, Syrian golden hamsters, and B6C3F1 mice treated with butylated hydroxyanisole. *Jpn J Cancer Res* 77(11): 1083-1090.
- 11. Park, E.H., Chang, H.H., Cha, Y.N. (1990). Induction of hepatic tumors with butylated hydroxyanisole in the self-fertilizing hermaphroditic fish Rivulus ocellatus marmoratus. *Jpn J Cancer Res* 81(8): 738-741.
- 12. S. Department of Labor, Occupational Safety and Health Administration, "Hair Smoothing Products That Could Release Formaldehyde," 2011. https://www.osha.gov/slttc/formaldehyde/hazard_alert.html
- 13. Environmental Protection Agency, Agency for Toxic Substances and Disease Registry, "Toxicological Profile for 1,4-dioxane," https://www.atsdr.cdc.gov/toxprofiles/tp187-c2.pdf
- Kasai, T., Kano, H., Umeda, Y., et al. (2009). Two-year inhalation study of carcinogenicity and chronic toxicity of 1,4-dioxane in male. *Inhal Toxicol* 21:889-897. doi:10.1080/08958370802629610
- 15. Boberg, J., Taxvig, C., Christiansen, S., Hass, U. (2010), Possible endocrine disrupting effects of parabens and their metabolites. *Reprod Toxicol*. 2010 Sep;30(2):301-12. Epub 2010 Apr 8.
- 16. Harvell, J., M. Bason and H. Maibach (1994). Contact Urticaria and its Mechanisms. *Food Chemistry and Toxicology* 32(2): 103-112. (Table 2: Substances identified as capable of causing contact urticaria).
- 17. Khanna S., Dash P. R. and Darbre P. D. (2014), Exposure to parabens at the concentration of maximal proliferative response increases migratory and invasive activity of human breast cancer cells in vitro, *J. Appl. Toxicol.*, 34, pages 1051–1059. doi: 10.1002/jat.3003
- 18. Jurewicz, J., PhD, Radwan, M., PhD, Wielgomas, B., PhD, et al. (2017). Human Semen Quality, Sperm DNA Damage, and the Level of Reproductive Hormones in Relation to Urinary Concentrations of Parabens [Abstract]. *Journal of Occupational and Environmental Medicine*, 59(11), 1034-1040. doi:10.1970
- 19. Swan, S.H., Main, K.M., Liu, F., et al. (2005). Decrease in Anogenital Distance among Male Infants with Prenatal Phthalate Exposure. *Environmental Health Perspectives*. 2005;113(8):1056-1061. doi:10.1289/ehp.8100.
- 20. Engel, S.M., Miodovnik, A., Canfield, R.L., et al. (2010). Prenatal Phthalate Exposure Is



- metabolites, *Human Reproduction*, 2007 22(3), 688–695, doi:10.1093
- 22. Lin, B., Ou, M., Chung, S., Pang, C., & Chen, H. (2009). Adolescent toluene exposure produces enduring social and cognitive deficits in mice: An animal model of solvent-induced psychosis. *The World Journal of Biological Psychiatry*, 11(6), 792-802. doi:10.3109/15622970903406234
- 23. Environmental Protection Agency, Agency for Toxic Substances and Disease Registry, "Medical Management Guidelines for Toluene," https://www.atsdr.cdc.gov/mmg/mmg.asp?id=157&tid=29
- 24. Clayton, E. M., Todd, M., Dowd, J. B., & Aiello, A. E. (2010). The Impact of Bisphenol A and Triclosan on Immune Parameters in the U.S. Population, NHANES 2003–2006. Environmental Health Perspectives, 119(3), 390-396. doi:10.1289/ehp.1002883
- 25. Ruderman, J. (2010). Faculty of 1000 evaluation for Triclosan exposure modulates estrogen-dependent responses in the female wistar rat. F1000 Post-publication Peer Review of the Biomedical Literature. doi:10.3410/f.4315956.4133054
- 26. Shim, Y., Choi, J., Ahn, H., & Kwon, J. (2012). Effect of sodium lauryl sulfate on recurrent aphthous stomatitis: A randomized controlled clinical trial. *Oral Diseases*, 18(7), 655-660. doi:10.1111/j.1601-0825.2012.01920.x
- 27. Black, R.E., Hurley, F.J., & Havery, D.C (2001). Occurrence of 1,4-Dioxane in Cosmetic Raw Materials and Finished Cosmetic Products. *Journal Of AOAC International* 84(3). PMID: 11417628
- 28. CIR (Cosmetic Ingredient Review). 2006. CIR Compendium, containing abstracts, discussions, and conclusions of CIR cosmetic ingredient safety assessments. Washington DC.



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