

November 10, 2025

RE: Support PHG for 1,4-Dioxane in Drinking Water

CleanEarth4Kids.org supports setting a Public Health Goal (PHG) for 1,4-Dioxane in Drinking Water of 0.04 parts per billion (ppb).

Our children's health and future depend on the actions we take today!

1,4 Dioxane Harms Human Health

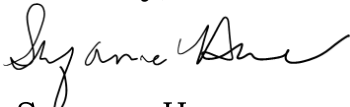
1,4-dioxane is listed in [Prop 65 for cancer risk](#) and is listed as a [possible human carcinogen](#) by the International Agency for Research on Cancer (IARC), the U.S. Department of Health and Human Services (HHS), and the EPA.^{1,2}

1,4-dioxane is [banned by the EU](#) from cosmetics and personal care products and is highly restricted by New York in household cleaning and personal care products and cosmetics.³

The World Health Organization (WHO) [found exposure to 1,4-dioxane](#) produces tumors in multiple organs.⁴ The EPA concluded [that human exposures have been associated with liver damage and other adverse effects](#) through inhalation, dermal contact, or drinking water.⁵

When ingested by drinking, [1,4 dioxane](#) can cause damage to the [lungs, liver, and kidneys](#).^{6,7} Contact with 1,4-dioxane by [washing or bathing](#) also causes harm.⁸ The [body easily absorbs 1,4-dioxane](#) and accumulates in vital organs and tissues, which increases the risk of organ damage, cancer, and death.⁹

Sincerely,



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¹ <https://www.p65warnings.ca.gov/fact-sheets/14-dioxane>

² <https://www.atsdr.cdc.gov/toxprofiles/tp187-c1-b.pdf>

³ <https://www.rssl.com/food-consumer-goods/dioxane-in-consumer-products-is-the-guidance-changing/>

⁴ <https://www.who.int/docs/default-source/wash-documents/wash-chemicals/diquat-chemical-fact-sheet.pdf>

⁵ <https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/final-risk-evaluation-14-dioxane>

⁶ <https://wwwn.cdc.gov/TSP/PHS/PHS.aspx?phsid=953&toxid=199>

⁷ <https://www.health.state.mn.us/communities/environment/risk/docs/guidance/dwec/dioxaneinfo.pdf>

⁸ https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/environmental_health

⁹ <https://semspub.epa.gov/work/01/575107.pdf>