



Gavin Newsom, Governor
Yana Garcia, Secretary for Environmental Protection
Lauren Zeise, Ph.D., Director

MEMORANDUM

TO: Yana Garcia
Secretary for Environmental Protection
California Environmental Protection Agency

FROM: Lauren Zeise, Ph.D.
Director

DATE: April 28, 2023

SUBJECT: ADOPTION OF REFERENCE EXPOSURE LEVELS (RELS) FOR
1-BROMOPROPANE

The Office of Environmental Health Hazard Assessment (OEHHA) has adopted Reference Exposure Levels (RELS) for 1-Bromopropane (1-BP) for use in the Air Toxics Hot Spots (Hot Spots) program, effective April 28, 2023. A primary goal of the Hot Spots program is to identify facilities that have localized impacts through risk assessments. The RELs generated by OEHHA are incorporated by the California Air Resources Board into the Hotspots Analysis and Reporting Program (HARP) software used by facilities and Air Districts to estimate risk.

1-BP is used as a solvent vehicle for adhesives in laminates and foam products, or as a degreasing/cleaning agent for metals, metal products, plastics, optics, and electronics. 1-BP is also listed in California for limited use in dry cleaning technologies.

The Technical Support document for 1-BP RELs was released underwent public comment and review by the Scientific Review Panel (SRP) on Toxic Air Contaminants. The document was revised in response to SRP comments and reviewed by the SRP chair and SRP document leads before finalization.

The REL values for 1-BP are as follows:

- Acute REL (for infrequent 1-hour exposures): 3,300 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) (700 parts per billion (ppb))
- Chronic REL (for long-term exposures): 1.7 $\mu\text{g}/\text{m}^3$ (0.3 ppb)
- 8-Hour REL (for repeated 8-hour exposures): 3.4 $\mu\text{g}/\text{m}^3$ (0.7 ppb)

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The final document that describes the scientific basis for these RELs is attached and available on the OEHHA Web site.

Attachments

cc: Clare Mendelsohn
Deputy Secretary for Public Policy
California Environmental Protection Agency

Richard Boyd, Assistant Division Chief
Transportation and Toxics Division
California Air Resources Board

Robert Krieger, Chief
Risk Reduction Branch
California Air Resources Board

David Edwards, Chief
Chief Deputy Director
Office of Environmental Health Hazard Assessment

Vincent Cogliano
Deputy Director for Scientific Programs
Office of Environmental Health Hazard Assessment

Kannan Krishnan, Chief
Air and Site Assessment and Climate Indicators Branch
Office of Environmental Health Hazard Assessment

Nathalie Pham, Acting Chief
Air Toxics and Risk Assessment Section
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