



Health
Fire
Reactivity
Personal Protection

# Material Safety Data Sheet

## 2-(2-Bromoethyl)-1,3-dioxane MSDS

### Section 1: Chemical Product and Company Identification

**Product Name:** 2-(2-Bromoethyl)-1,3-dioxane

**Catalog Codes:** SLB3247

**Synonyms:**

**Contact Information:**

**Sciencelab.com, Inc.**

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: [ScienceLab.com](http://ScienceLab.com)

**CHEMTREC (24HR Emergency Telephone), call:**

1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

### Section 2: Composition and Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
33884-43-4	2-(2-Bromoethyl)-1,3-dioxane		251-716-7

**Hazard Symbols:** Xi

**Risk Phrases:** 36/37/38

### Section 3: Hazards Identification

**EMERGENCY OVERVIEW:** Not available. Appearance: Not available. Not available.

**Target Organs:** None.

**Potential Health Effects:** The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

### Section 4: First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5: Fire and Explosion Data

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

**Flash Point:** 96 deg C ( 204.80 deg F)

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: ; Flammability: ; Instability:

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section.

### Section 7: Handling and Storage

**Handling:** Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from heat, sparks and flame.

**Storage:** Keep away from heat, sparks, and flame. Keep refrigerated. (Store below 4#C/39#F.)

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Exposure Limits:**

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-(2-Bromoethyl)-1,3-dioxane	none listed	none listed	none listed

**OSHA Vacated PELs:** 2-(2-Bromoethyl)-1,3-dioxane: No OSHA Vacated PELs are listed for this chemical.

**Personal Protective Equipment:**

**Eyes:** Not available.

**Skin:** Wear appropriate protective gloves and clothing to prevent skin exposure. Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

## Section 9: Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Not available.

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 67.0 - 70.0 deg C @ 2.80mmHg

**Freezing/Melting Point:** 0 deg C

**Decomposition Temperature:** Not available.

**Solubility:** Not available.

**Specific Gravity/Density:** 1.4310g/cm<sup>3</sup>

**Molecular Formula:** Not available.

**Molecular Weight:** 195.06

## Section 10: Stability and Reactivity Data

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, strong oxidants.

**Incompatibilities with Other Materials:** Strong oxidizing agents, strong acids.

**Hazardous Decomposition Products:** Irritating and toxic fumes and gases.

**Hazardous Polymerization:** Has not been reported.

## Section 11: Toxicological Information

**RTECS#:**

**CAS#:** 33884-43-4 unlisted.

**LD50/LC50:** Not available.

**Carcinogenicity:** CAS# 33884-43-4: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

## Section 12: Ecological Information

## Section 13: Disposal Considerations

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14: Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
<b>Shipping Name:</b>	No information available.				No information available.
<b>Hazard Class:</b>					
<b>UN Number:</b>					
<b>Packing Group:</b>					

## Section 15: Other Regulatory Information

### US FEDERAL:

**TSCA:** CAS# 33884-43-4 is listed on the TSCA inventory.

**Health & Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b:** None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.

### SARA:

**CERCLA Hazardous Substances and corresponding RQs:** None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ.

**Section 313:** No chemicals are reportable under Section 313.

**Clean Air Act:** This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE:** CAS# 33884-43-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ. California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations:

**European Labeling in Accordance with EC Directives:**

**Hazard Symbols:** Xi

**Risk Phrases:** R 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:** S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 37/39 Wear suitable gloves and eye/face protection.

**WGK (Water Danger/Protection):** CAS# 33884-43-4: No information available.

**Canada - DSL/NDSL:** CAS# 33884-43-4 is listed on Canada's NDSL List.

**Canada - WHMIS:** WHMIS: Not available.

**Canadian Ingredient Disclosure List:**

**Exposure Limits:**

## Section 16: Other Information

**Created:** 02/14/2005 10:16 PM

**Last Updated:** 11/01/2010 12:00 PM

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