



Cambridge Isotope Laboratories, Inc.
3 Highwood Drive
Tewksbury, MA 01876

Number:
Issue Date

DLM-1945
11/20/14

Page 1 of 7

MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Description BIS(2-CHLOROETHOXY)-D8-METHANE (D, 98%)

Cambridge Isotope Laboratories, Inc.
50 Frontage Rd
ANDOVER, MA 01810
USA

E-mail cilsales@isotope.com
Web Site www.isotope.com

Phone Numbers

Emergency Contact Chemtrec
Emergency Phone 1-800-424-9300 (24 hours)

Customer Service 1-800-322-1174 (8:30-5:30 EST)
Phone
Transportation 1-202-483-7616 (24 hours)

2 HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity, Oral (Category 3)

GHS Label Information

Signal Word Danger

Hazards Identification

Skull & crossbones

Hazard Statement(s)

Toxic if swallowed.

Precautionary Statement(s)

Wash skin thoroughly after handling.
Do not eat, drink, or smoke when using this product.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.
Store locked up.
Dispose of contents/container to an approved waste disposal plant.

HMIS Ratings



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Page 2 of 7

MATERIAL SAFETY DATA SHEET

Physical 0
Flammability 0
Health 2

NFPA Codes

Flammability 0
Health 2
Reactivity 0

Potential Health Effects

Eyes May cause eye irritation.
Ingestion Toxic if swallowed.
Inhalation Harmful if inhaled.
Skin Harmful in contact with skin.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Information on Ingredients

Chemical Formula $\text{CH}_2(\text{OCD}_2\text{CD}_2\text{Cl})_2$
Molecular Weight 181.09
CAS No. 93966-78-0

4 FIRST AID MEASURES

First Aid Measures

Eyes Flush eyes with water as a precaution.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Additional Information Move out of dangerous area. Consult a physician and show this safety data sheet.

5 FIRE FIGHTING MEASURE

Fire Fighting Measures

Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.



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Page 3 of 7

MATERIAL SAFETY DATA SHEET

Fire Fighting Equipment Wear self contained breathing apparatus for fire fighting if necessary.

Fire Fighting Procedures Use water spray to cool unopened containers.

6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures

Personal Precautions Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

Environmental Precautions Do not empty into drains.

Methods and materials for containment and cleanup Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

Conditions for Safe Storage

Storage Store at room temperature away from light and moisture.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protection

Eyes - Face Wear safety glasses with side shields (or goggles) and a face shield.

Skin Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory When appropriate, use NIOSH/CEN approved respirator.

Protective Clothing Wear suitable protective clothing and gloves.



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Page 4 of 7

MATERIAL SAFETY DATA SHEET

Work Hygienic Practices Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties (Unlabeled Compound)

Form	Liquid
Color	
Odor	No data available
Odor Threshold	No data available
Melting Point	-33 °C
Boiling Point	218.1 °C
Flashpoint	No data available
Evaporation Rate	No data available
Vapor Pressure	0.1 mm Hg at 20 °C
Density	1.2339 at 20 °C (water = 1)
Solubility in Water	Slightly soluble
Partition Coefficient	No data available
Auto Ignition Temperature	No data available

10 STABILITY AND REACTIVITY

Stability and Reactivity

Chemical Stability	Stable if stored under recommended conditions.
Possibility of Hazardous Reactions	Not available
Conditions to Avoid	Not available
Hazardous decomposition products	Nature of decomposition products not known.
Materials to avoid	Strong oxidizing agents



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Page 5 of 7

MATERIAL SAFETY DATA SHEET

11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Serious No data available

Damage/Eye
Irritation

Skin No data available
Corrosion/Irritation

Inhalation No data available

Respiratory or Skin Not available
Sensitization

Germ Cell Not available
Mutagenicity

Reproductive Not available
Toxicity

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Toxicity

Persistence and Not available
Degradability

Bioaccumulative Not available
Potential

Mobility in Soil Not available

PBT and vPvB PBT/vPvB assesment not available as chemical safety assessment not required/not conducted.
Assessment

Other Adverse An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Effects Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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Page 6 of 7

MATERIAL SAFETY DATA SHEET

13 DISPOSAL CONSIDERATIONS

Disposal Considerations

Product Disposal Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.

14 TRANSPORT INFORMATION

Transportation Information-DOT/IATA/IMDG

UN Number	2810
Prop. Ship. Name	Toxic liquid, organic, n.o.s., (BIS(2-CHLOROETHOXY)METHANE)
Hazard Class	6.1
Packing Group	III
Marine Pollutant	Severe Marine Pollutant

15 REGULATORY INFORMATION

SARA

Sara 313 Component All chemicals in this material are subject to the reporting requirements.

SARA 311/312 Hazards

Chronic (Y/N) Y

STATE REGULATIONS

Massachusetts Right to Know Yes

Pennsylvania Right to Know Yes

New Jersey Right to Know Yes

California Proposition 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada

WHMIS (Worker Hazardous Materials Information System) D1b toxic materials



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DLM-1945
11/20/14

Page 7 of 7

MATERIAL SAFETY DATA SHEET

EU

Hazard Toxic

Safety Statements

Keep locked up.
When using do not eat, drink or smoke.
After contact with skin, wash immediately with plenty of water.
If swallowed, seek medical advice immediately and show this container or label.
Dispose of this material and its container at hazardous or special waste collection point.
If swallowed, rinse mouth with water (only if the person is conscious).

Risk Statements

Toxic if swallowed.

16 OTHER INFORMATION

Additional MSDS Information

This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Approved On 11/20/14
Version Number 2