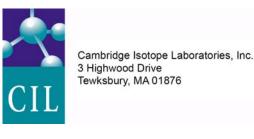
Page 1 of 7



MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY INFORMATION

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

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

Page 2 of 7





MATERIAL SAFETY DATA SHEET

Physical 0 Flammability 0 Health 2

NFPA Codes

Flammability 0 2 Health 0 Reactivity

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 CH2(OCD2CD2CI)2

Molecular Weight 181.09 CAS No. 93966-78-0

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.

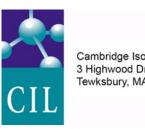
Additional Information Move out of dangerous area. Consult a physician and show this safety data sheet.

FIRE FIGHTING MEASURE 5

Fire Fighting Measures

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

Page 3 of 7



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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.

ACCIDENTAL RELEASE MEASURES 6

Accidental Release Measures

Personal Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable,

Precautions ventilation. Evacuate personnel to safe area.

Environmental

Precautions

Do not empty into drains.

Methods and materials for

closed containers for disposal.

containment and

cleanup

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.

EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protecton

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

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.

Page 4 of 7



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MATERIAL SAFETY DATA SHEET

Work Hygienic Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks

Practices and at the end of workday.

PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties (Unlabeled Compound)

Form Liquid

Color

No data available Odor 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

1.2339 at 20 °C (water = 1) Density

Slightly soluble Solubility in Water Partition Coefficient No data available No data available Auto Ignition

Temperature

STABILITY AND REACTIVITY 10

Stability and Reactivity

products

Chemical Stability Stable if stored under recommended conditions.

Possibility of Not available Hazardous Reactions

Conditions to Avoid Not available

Hazardous Nature of decomposition products not known. decomposition

Materials to avoid Strong oxidizing agents

Page 5 of 7



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

MATERIAL SAFETY DATA SHEET

TOXICOLOGICAL INFORMATION 11

Acute Toxicity

Serious

No data available

Damage/Eye Irritation

Skin

No data available

Corrosion/Irritation

Inhalation No data available

Respiratory or Skin

Sensitization

Not available

Germ Cell Mutagenicity Not available

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

Persistance and Degradability

Not available

Bioaccumulative

Not available

Potential

Not available

PBT and vPvB Assessment

Mobility in Soil

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

Other Adverse **Effects**

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

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

Prop. Ship. Name Toxic liquid, organic, n.o.s., (BIS(2-CHLOROETHOXY)METHANE)

Hazard Class 6.1 Packing Group Ш

Marine Pollutant Severe Marine Pollutant

REGULATORY INFORMATION 15

SARA

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

Component

SARA 311/312 Hazards

Chronic (Y/N) Υ

STATE REGULATIONS

Massachusetts Yes

Right to Know

Pennsylvania Right Yes

to Know

New Jersey Right

Yes

to Know

California This product does not contain any chemicals known to State of California to cause cancer, birth

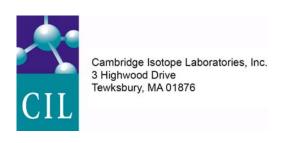
Proposition 65 defects, or any other reproductive harm.

Canada

D1b toxic materials WHMIS (Worker

Hazardous Materials

Information System)



MATERIAL SAFETY DATA SHEET

ΕU

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