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# **MATERIAL SAFETY DATA SHEET**

## CHEMICAL PRODUCT AND COMPANY INFORMATION

1-BROMODODECANE (METHYL-D3, 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** 

Phone

1-800-322-1174 (8:30-5:30 EST)

Transportation 1-202-483-7616 (24 hours)

#### 2 **HAZARDS IDENTIFICATION**

**OSHA Hazards** 

Irritant

**GHS Label Information** 

Signal Word Warning

Hazards Identification

**Exclamation mark** 

Hazard Statement(s)

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary Statement(s)

Avoid breathing dust/fume/gas/mist/vapours/spray

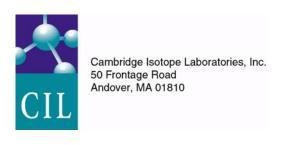
Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Call a POISON CENTER or doctor/physician if you feel unwell.

## **HMIS Ratings**

Physical 0 Flammability 1 Health 2

## NFPA Codes

Fire 1
Health 2
Reactivity 0

## Potential Health Effects

Eyes Causes eye irritation.

Ingestion May be harmful if swallowed.

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Composition / Information on Ingredients

Synonyms Dodecyl bromide. Lauryl bromide

Chemical Formula CD3(CH2)11Br

Molecular Weight 252.25

CAS No. 143-15-7 (unlabeled)

EC No. 205-587-9

## 4 FIRST AID MEASURES

## First Aid Measures

Eyes Flush eye with water for 15 minutes. Get medical attention.

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 with soap and plenty of water. Consult a physician.

Additional

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

Information



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## 5 FIRE FIGHTING MEASURE

Fire Fighting Measures

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

Fire Fighting Equipment

Wear self contained breathing apparatus for fire fighting if necessary.

## 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures

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

Precautions ventilation. Evacuate personnel to safe areas.

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 Protecton

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.

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When appropriate, use NIOSH/CEN approved respirator. Respiratory

**Protective Clothing** Wear suitable protective clothing and gloves.

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 9

Physical and Chemical Properties (Unlabeled Compound)

Form Clear, liquid

Color Light yellow

No data available рΗ

Melting Point -11 - -9 °C (12 - 16 °F) - lit

**Boiling Point** 134 - 135 °C (273 - 275 °F) at 8 hPa (6 mmHg) - lit

Flashpoint 113 °C (235 °F) - closed cup

Lower Explosion

Limit

Upper Explosion

Limit

8.61 - (Air = 1.0)

No data available

No data available

Vapor Density No data available Solubility in Water Auto Ignition No data available

Temperature

#### STABILITY AND REACTIVITY 10

Stability and Reactivity

Chemical Stability Stable if stored under recommended conditions.

Conditions to Avoid Not available

Hazardous decomposition Formed under fire conditions: Carbon oxides, Hydrogen bromide gas

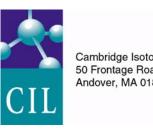
Materials to avoid Strong oxidizing agents, Strong bases

### 11 **TOXICOLOGICAL INFORMATION**

**Acute Toxicity** 

products

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Serious

No data available

Damage/Eye Irritation

Skin No data available

Corrosion/Irritation

Inhalation No data available

Respiratory or Skin Sensitization

Not available

Not available

Germ Cell Mutagenicity

**IARC** No component of the product present at levels greater than or equal to 0.1 % is identifiable as

probable, possible, or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identifiable as a

carcinogen or potential carcinogen by ACGIH.

NTP No component of this product present at levels greater than or equal to 0.1% is identifiable as a

known or anticipated carcinogen by NTP.

**OSHA** No component of this product present at levels greater than or equal to 0.1 % is identified as a

carcinogen or potential carcinogen by OSHA.

Reproductive

**Toxicity** 

Not available

Specific Target Organ Toxicity

Single Exposure Inhalation - May cause respiratory irritation

Repeated Exposure No data available

Signs and Symptoms of Exposure

The chemical, physical, and toxicological properties have not been thoroughly investigated.

Other Information

General Comments Not available

### 12 **ECOLOGICAL INFORMATION**

## **Toxicity**

Persistance and Degradability

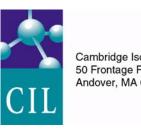
Not available

Bioaccumulative

Not available

Potential

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Mobility in Soil

Not available

PBT and vPvB Assessment

Not available

Other Adverse

Not available

**Effects** 

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**DISPOSAL CONSIDERATIONS** 

**Disposal Considerations** 

Product Disposal

Waste materials should be disposed of under conditions which meet Federal, State, and Local

environmental control regulations.

#### TRANSPORT INFORMATION 14

Transportation Information-DOT/IATA/IMDG

Special Shipping

Not dangerous goods.

Notes

#### 15 **REGULATORY INFORMATION**

Regulatory Information

Irritant

SARA

Sara 302 Component

Sara 313

No chemicals in this material are subject to the reporting requirements.

Component

SARA 311/312 Hazards

Acute (Y/N) Υ

STATE REGULATIONS

Massachusetts

No

Right to Know

Pennsylvania Right Yes



# **MATERIAL SAFETY DATA SHEET**

to Know

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

5 defects, or any other reproductive harm.

Canada

DSL Status A

All components are on the Canadian DSL list.

ΕU

Hazard Irritant

Safety Statements

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing.

Risk Statements

Irritating to eyes, respiratory system and skin.

## 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

01/06/11

Version Number

1