

MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Description 1-BROMOEICOSANE (D41, 97-98%)

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

Phone

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

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

2 HAZARDS IDENTIFICATION

OSHA Hazards

No known OSHA hazards

GHS Label Information

Signal Word Warning

Hazards Identification

Flame

Hazard Statement(s)

Heating may cause a fire.

Precautionary Statement(s)

Do not breathe dust/fume/gas/mist/vapours/spray.

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

Dispose of contents/container to an approved waste disposal plant.

HMIS Ratings

Physical 0 Flammability 1 Health 0



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NFPA Codes

Fire 1 Health 0 0 Reactivity

Potential Health Effects

Eyes May cause eye irritation. Ingestion May be harmful if swallowed.

Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Skin May be harmful if absorbed through skin. May cause skin irritation.

COMPOSITION / INFORMATION ON INGREDIENTS 3

Composition / Information on Ingredients

Synonyms Eicosyl bromide

CD3(CD2)19Br Chemical Formula

Molecular Weight 402.70 CAS No. 202480-71-5 EC No. 224-277-4

FIRST AID MEASURES

First Aid Measures

Flush eyes with water as a precaution. Eyes

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

physician.

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

physician.

Skin Wash with soap and water.

FIRE FIGHTING MEASURE 5

Fire Fighting Measures

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

Fire Fighting

Wear self contained breathing apparatus for fire fighting if necessary.

Equipment

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ACCIDENTAL RELEASE MEASURES

Accidental Release Measures

Personal Precautions Avoid dust formation.

Environmental

Do not empty into drains.

Precautions

Methods and

materials for containment and

cleanup

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for Safe Handling

Handling Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for

preventive fire protection.

Conditions for Safe Storage

Storage Store at room temperature away from light and moisture.

EXPOSURE CONTROL / PERSONAL PROTECTION 8

Personal Protecton

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

Respiratory When appropriate, use NIOSH/CEN approved respirator.

Protective Clothing Wear suitable protective clothing and gloves.

Work Hygienic

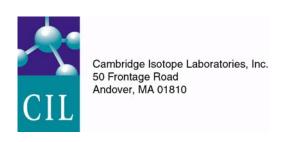
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks

Practices and at the end of workday.

PHYSICAL AND CHEMICAL PROPERTIES 9

Physical and Chemical Properties (Unlabeled Compound)

Form Powder



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Color White

pН No data available

Melting Point 36 - 39 °C (97 - 102 °F) - lit

Boiling Point No data available

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

Lower Explosion No data available

Limit

Upper Explosion

No data available

Limit

Vapor Pressure

< 1 hPa (< 1 mmHg) at 20 °C (68 °F)

Solubility in Water

No data available No data available

Auto Ignition Temperature

STABILITY AND REACTIVITY 10

Stability and Reactivity

Chemical Stability Stable if stored under recommended conditions.

Conditions to Avoid Not available

Hazardous

decomposition products

Formed under fire conditions: Carbon oxides, Hydrogen bromide gas

Materials to avoid Strong oxidizing agents

11 **TOXICOLOGICAL INFORMATION**

Acute Toxicity

No data available Serious

Damage/Eye Irritation

Skin No data available

Corrosion/Irritation

Inhalation No data available

Respiratory or Skin

Sensitization

Not available

Germ Cell

Not available

Mutagenicity

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IARC No component of this 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 No data available Repeated Exposure No data available

Signs and Symptoms of Exposure

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

12 **ECOLOGICAL INFORMATION**

Toxicity

Persistance and Degradability

Not available

Bioaccumulative

Potential

Not available

Mobility in Soil

Not available

PBT and vPvB

Not available

Assessment

Not available

Other Adverse

Effects

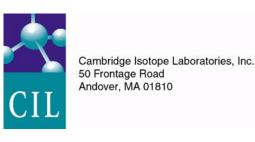
13 **DISPOSAL CONSIDERATIONS**

Disposal Considerations

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

environmental control regulations.

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TRANSPORT INFORMATION

Transportation Information-DOT/IATA/IMDG

Special Shipping

Not dangerous goods.

Notes

15 **REGULATORY INFORMATION**

Regulatory Information

No known OSHA hazards

SARA

Sara 302 No chemicals in this material are subject to the reporting requirements.

Component

No chemicals in this material are subject to the reporting requirements. Sara 313

Component

STATE REGULATIONS

Massachusetts No

Right to Know

Pennsylvania Right Yes

to Know

New Jersey Right Yes

to Know

Canada

Listed on the Canadian NDSL list. **DSL Status**

ΕU

Hazard Flammable

Safety Statements

Do not breathe gas/fumes/vapour/spray.

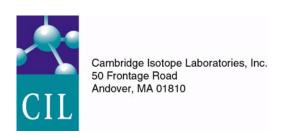
Wear suitable protective clothing, gloves and eye/face protection.

This material and its container must be disposed of as hazardous waste.

Risk Statements

Risk of explosion by shock, friction, fire or other sources of ignition.

16 OTHER INFORMATION



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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 Version Number 08/22/11

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