

# **MATERIAL SAFETY DATA SHEET**

# 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Description D-ERYTHROSE (4-13C, 99%) 1.2% IN H2O

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

# **HMIS Ratings**

Physical 0 Flammability 0 Health 0

# NFPA Codes

Fire 0 Health 0 Reactivity 0

# 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.



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### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Information on Ingredients

Chemical Formula \*CC3H8O4 Molecular Weight 121.10

CAS No. 583-50-6 (unlabeled)

EC No. 209-505-2

# 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 with soap and plenty of water. 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.

Fire Fighting Equipment

Wear self contained breathing apparatus for fire fighting if necessary.

# 6 ACCIDENTAL RELEASE MEASURES

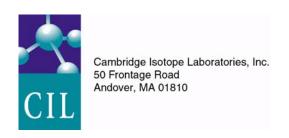
Accidental Release Measures

Personal Avoid breathing vapors, mist, or gas.

Precautions

Environmental Do not empty into drains.

Precautions



# **MATERIAL SAFETY DATA SHEET**

Methods and materials for containment and cleanup Keep in suitable, closed containers for disposal.

# 7 HANDLING AND STORAGE

Precautions for Safe Handling

Handling Normal measures for preventive fire protection.

Conditions for Safe Storage

Storage Store refrigerated. Do not freeze.

# 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protecton

Work Hygienic

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

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

the work place.

Respiratory When appropriate, use NIOSH/CEN approved respirator.

Protective Clothing Wear suitable protective clothing and gloves.

Practices and at the end of workday.

# 9 PHYSICAL AND CHEMICAL PROPERTIES

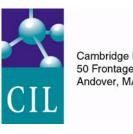
Physical and Chemical Properties (Unlabeled Compound)

Form Liquid

Color Colourless

pH No data available
Melting Point No data available
Boiling Point No data available
Flashpoint No data available
Lower Explosion No data available

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Limit

Upper Explosion

Limit

No data available

Solubility in Water Decomposition

No data available

Temperature

No data available

#### STABILITY AND REACTIVITY 10

Stability and Reactivity

Chemical Stability Stable if stored under recommended conditions.

Hazardous decomposition Formed under fire conditions: Carbon oxides

products

Materials to avoid

Strong oxidizing agents

#### **TOXICOLOGICAL INFORMATION** 11

**Acute Toxicity** 

Serious No data available

Damage/Eye Irritation

Skin No data available

Corrosion/Irritation

No data available Inhalation

Respiratory or Skin

Sensitization

Not available

Germ Cell

Not available

Mutagenicity

**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.

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# **MATERIAL SAFETY DATA SHEET**

Reproductive

Not available

**Toxicity** 

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.

Other Information

General Comments Not available

#### 12 **ECOLOGICAL INFORMATION**

# **Toxicity**

Persistance and Degradability

Not available

Bioaccumulative

Potential

Not available

Mobility in Soil

Not available

PBT and vPvB Assessment

Not available

Other Adverse

Not available

**Effects** 

#### **DISPOSAL CONSIDERATIONS** 13

**Disposal Considerations** 

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

environmental control regulations.

### TRANSPORT INFORMATION

Transportation Information-DOT/IATA/IMDG

Special Shipping

Not dangerous goods.

Notes



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#### 15 REGULATORY INFORMATION

Regulatory Information

No known OSHA hazards

SARA

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

Component

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

Component

STATE REGULATIONS

Massachusetts

Right to Know

Pennsylvania Right Yes

to Know

New Jersey Right

to Know

Yes

No

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

DSL Status No

# 16 OTHER INFORMATION

Manufacturer Disclaimer 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

08/31/11

Version Number

2