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# **MATERIAL SAFETY DATA SHEET**

## CHEMICAL PRODUCT AND COMPANY INFORMATION

L-CYSTEINE, S-P-MEBZ (15N, 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**

No known OSHA hazards

# **HMIS Ratings**

Physical 0 Flammability 0 Health 0

## NFPA Codes

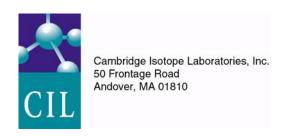
0 Fire Health 0 0 Reactivity

# Potential Health Effects

Eyes Contact 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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### **COMPOSITION / INFORMATION ON INGREDIENTS** 3

Composition / Information on Ingredients

Chemical Formula CH3C6H4CH2SCH2CH(\*NH2)COOH

CAS No. 42294-52-0 (Unlabeled)

## **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.

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.

### **ACCIDENTAL RELEASE MEASURES** 6

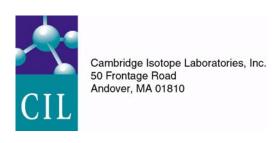
Accidental Release Measures

Personal **Precautions**  Avoid dust formation.

Environmental

Do not empty into drains.

Precautions



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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 Keep tightly closed. Store at 2 - 8 C.

## 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.

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 and at the end of workday.

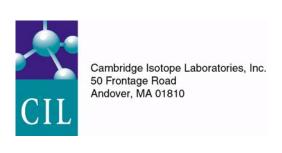
# 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties (Unlabeled Compound)

Form solid

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 Auto Ignition

no data available

Temperature

no data available

### STABILITY AND REACTIVITY 10

Stability and Reactivity

**Chemical Stability** Stable if stored under recommended conditions.

Possibility of

Not available

Hazardous Reactions

Conditions to Avoid Not available

Hazardous

decomposition

products

Formed under fire conditions: Carbon oxides

Materials to avoid Strong oxidizing agents

### 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

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

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probable, possible, or confirmed human carcinogen by IARC.

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

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.

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

**Effects** 

Not available

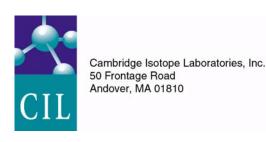
#### **DISPOSAL CONSIDERATIONS** 13

## **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

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

**DSL Status** No

### 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 11/30/11 Version Number