



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: S-Propyl-L-cysteine sulfoxide

CAS No.: 17795-24-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances. For scientific research and development only. Not for use in humans or animals.

1.3 Details of the supplier of the safety data sheet

Brand: MuseChem

Company: ArrakisTek Inc.

1.4 Emergency telephone number

Telephone: +1-862-686-3898

Fax: +1-323-978-5598

E-mail address: info@musechem.com

Revision date: 06/01/2018

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

No data.

2.2 GHS Label elements, including precautionary statements

No data.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS -None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : S-Propyl-L-cysteine sulfoxide

3-(propylsulfinyl)-L-Alanine

Formula : C₆H₁₃NO₃S

Molecular Weight : 179.234 g/mol

CAS-No. : 17795-24-3

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue

flushing for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention.

Skin contact

Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

Inhalation

Remove victim to fresh air. In severe cases or if symptoms persist, seek medical attention.

If swallowed

Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use dry sand, dry chemical or alcohol-resistant foam for extinction.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide, nitrogen oxides, sulfur oxides.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions:

Should not be released into the environment. See Section 12 for additional ecological information.

6.3. Methods and materials for containment and cleaning up:

Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4. Reference to other sections:

Refer to protective measures listed in Sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)



Laboratory chemicals, for scientific research and development only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

Eye protection Safety goggles with side-shields.

Hand protection Protective gloves.

Skin and body protection Impervious clothing

Respiratory protection Suitable respirator.

Environmental exposure controls Keep the product away from drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance

Form	No data available
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b) Odour	No data available
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c) pH	No data available
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d) Melting point	No data available
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e) Boiling point	No data available
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f) Flash point	No data available
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g) Evaporation rate	No data available
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h) Flammability (solid, gas)	No data available
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i) Upper/lower flammability or explosive limits	No data available
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j) Vapour pressure	No data available
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k) Vapour density	No data available
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l) Density	No data available
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m) Water solubility	No data available
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n) Partition coefficient: n-octanol/water	No data available
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o) Auto-ignition temperature	No data available
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p) Decomposition temperature	No data available
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q) Viscosity	No data available
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10. STABILITY AND REACTIVITY

10.1 Reactivity



No data available.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Carbonmonoxide, nitrogen oxides, sulfur oxides.

Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Classified based on available data. For more details, see section 2.

Skin corrosion/irritation

Classified based on available data. For more details, see section 2.

Serious eye damage/irritation

Classified based on available data. For more details, see section 2.

Respiratory or skin sensitization

Classified based on available data. For more details, see section 2.

Germ cell mutagenicity

Classified based on available data. For more details, see section 2.

Carcinogenicity

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as apotential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

Reproductive toxicity

Classified based on available data. For more details, see section 2.

Specific target organ toxicity - single exposure

Classified based on available data. For more details, see section 2.

Specific target organ toxicity - repeated exposure

Classified based on available data. For more details, see section 2.

Aspiration hazard

Classified based on available data. For more details, see section 2.

Additional information

RTECS No.: Unavailable

This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

11.2 Additional Information

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

This substance is considered to be non-hazardous for transport.

IMDG

This substance is considered to be non-hazardous for transport.

IATA

This substance is considered to be non-hazardous for transport.

15. REGULATORY INFORMATION

SARA 302 Components



No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

16. OTHER INFORMATION

Further information

Copyright 2017 MuseChem License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MuseChem and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.