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## Material Safety Data Sheet

### Sulfobetaine

#### Section 1: Chemical Product and Company Identification

##### Product identifiers

**Molecular formula:** C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>S

**CAS Nr:** 4727-41-7

**Molecular weight:**120.17

##### Details of the supplier of the safety data sheet

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#### Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

Molecular Formula: C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>S

Molecular Weight: 120.17

Content of DMPT: 98.0% Min

#### Section 3: HAZARDS IDENTIFICATIONEMERGENCY OVERVIEW

Classification of the substance or mixture;

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP];

Acute toxicity, Oral (Category 4) Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

#### Section 4: First Aid Measures

Eyes: Flush eyes with plenty of water occasionally lifting the upper and lower lids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

## Section 5: Firefighting measures

General Information: As in any fire, wear a self-contained breathing apparatus and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide or chemical foam.

## Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment.

Spills/Leaks: Vacuum or sweep up material and place into suitable disposal container. Avoid generating dusty conditions.

## Section 7: Handling and Storage

Handling: Avoid breathing dust, vapor, mist or gas. Avoid contact with eyes, skin.

Storage: Stable Store in a cool, dry, well-ventilated area away from incompatible.

## Section 8: Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment Eyes: Wear chemical safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Wear appropriate respirators where necessary.

## Section 9: Physical and Chemical Properties

Boiling Point: No data available.

Melting Point: 120-125°C

Solubility in water: No data available.

Vapor Pressure: No data available.

Vapor Density: No data available.

### Section 10: Stability and Reactivity Data

Chemical Stability: Stable under normal temperatures and pressures.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous combustion or Decomposition products: Carbon monoxide, carbon dioxide, hydrogen chloride, and oxides of sulfur.

### Section 11: Toxicological Information

May be toxic by inhalation, in contact with skin and if swallowed.

### Section 12: Ecological Information

Not available.

### Section 13: Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

### Section 14: Transport Information

Not available.

### Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Not available.

Chemical Safety Assessment:

Not available.

### Section 16: Other Information

**Further information**

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.