



Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name Diethyl Sulphate 99% For Synthesis
Product Code B-01007
CAS No 64-67-5
Use for Laboratory Chemicals.
Company Name Bio-ChemChemicals
Address 5455, Nicholson Road Science Market ,
Ambala Cantt. 133001 Haryana (India)
+91-82952 41953
info@biofinechemical.com - www.biofinechemical.com

Section 2 - Composition/Information on Ingredients

| CAS# | Chemical Name | % | EINECS# |
|----------|------------------|----|-----------|
| 64-67-05 | Diethyl Sulphate | 99 | 200-589-6 |

No components need to be disclosed according to the applicable regulations.

Section 3 - Hazards Identification

Risk advice to man and the environment

Toxic if swallowed. Very toxic in contact with skin. Irritating to eyes, respiratory system and skin.

Section 4 - First Aid Measures

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

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

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

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Notes to Physician:

Section 5 - Fire Fighting Measures

Extinguishing Media

Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective

Equipment For Firefighters: Wear self contained breathing apparatus for fire fighting if necessary.



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Section 6 - Accidental Release Measures

- Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.
- Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

- Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- Storage:** Room Temperature . Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Control / Personal Protection

Personal Protective Equipment

- Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
- Eye Protection:** Safety glasses
- Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical and Chemical Properties

- Physical State: Solid
Molecular Formula: $C_4H_{10}SO_4$
Molecular Weight: 154.19
Melting point: $-24\text{ }^{\circ}\text{C}$ - lit
Boiling Point: $208\text{ }^{\circ}\text{C}$ - lit.
Flash Point: $104\text{ }^{\circ}\text{C}$ - closed cup



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Section 10 - Stability and Reactivity

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents

Hazardous decomposition

Products formed under fire

conditions. - Carbon oxides, Sulphur oxides

Section 11 - Toxicological Information

Acute toxicity: LD50 Oral - Rat - 880 mg/kg(Diethyl sulphate).

Hydrogen chloride gas. Phosgene

Irritation and corrosion: No data available

Sensitisation: No data available

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

Signs And Symptoms

Of Exposure: No data available

Route Of Exposure

Inhalation: No data available

Skin : No data available

Eyes: No data available

Ingestion: No data available

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

| | IATA | IMO | RID/ADR |
|-----------------------|------------------|------------|----------------|
| Shipping Name: | DIETHYL SULPHATE | | |
| Hazard Class: | 6.1 | 6.1 | 6.1 |
| UN Number: | 1594 | 1594 | 1594 |
| Packing Group: | II | II | II |



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Section 15 - Regulatory Information

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