

## Material Safety Data Sheet (MSDS)

### Sulfolane

Revision Date: 16-October-2025

Version: 1.0

### Section 1: Product Identification

- **Product Name:** Sulfolane
- **Chemical Formula:** C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>S
- **CAS No:** 126-33-0
- **Synonyms:** Tetramethylene Sulfone; Sulfolan; 2,3,4,5-Tetrahydrothiophene-1,1-Dioxide
- **Recommended Use:** Industrial solvent; extraction agent for aromatics; gas treatment; chemical intermediate.

### Section 2: Hazards Identification

- **Classification (GHS):** Skin Irrit. 2; Eye Irrit. 2; STOT RE 2.
- **Signal Word:** Warning
- **Hazard Statements:** Toxic if swallowed; Harmful if inhaled; Causes skin irritation; Causes serious eye irritation; May cause allergic skin reaction; Toxic to aquatic life; Combustible liquid.

☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

GROUP OF Triveni CHEMICALS

- Harmful if swallowed
- Causes skin irritation and serious eye irritation
- Combustible liquid
- Keep away from heat/sparks/open flames. No smoking
- Wear protective gloves/eye protection
- **IF ON SKIN or IN EYES:** Rinse cautiously with water; seek medical advice if irritation persists

## Section 3: Composition / Information on Ingredients

- **Concentration:** 98%

## Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. If symptoms develop, seek medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical advice immediately.

## Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide; water spray.
- **Specific Hazards:** Vapors may form explosive mixtures with air. Thermal decomposition may produce irritating or toxic fumes.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid breathing vapors. Ensure adequate ventilation. Eliminate ignition sources.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Absorb with inert material. Collect in suitable container for disposal.

## Section 7: Handling and Storage

- **Handling:** Use only outdoors or in a well-ventilated area. Avoid breathing vapour. Wear appropriate PPE.
- **Storage:** Keep container tightly closed in a cool, well-ventilated place. Store locked up. Keep away from heat and open flames.

## Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** Not established for this substance.
- **Engineering Controls:** Provide adequate ventilation and local exhaust if needed.
- **Personal Protective Equipment:** Chemical-resistant gloves, safety goggles, protective clothing. Respirator if ventilation is inadequate.

## Section 9: Physical and Chemical Properties

- **Appearance:** Colourless to pale yellow liquid; characteristic mushroom-like odour
- **Odor:** Characteristic, mushroom-like
- **Boiling Point:** 285 °C
- **Flash Point:** 177 °C
- **Molecular Weight:** 120.17 G/Mol

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

## Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** Causes skin and serious eye irritation. High doses may affect central nervous system and liver.
- **Chronic Effects:** Prolonged or repeated exposure may cause dermatitis.

## Section 12: Ecological Information

- **Ecotoxicity:** Not expected to be acutely toxic to aquatic life, but may persist in the environment.
- **Persistence and Degradability:** Not determined.
- **Bioaccumulative Potential:** Not determined.

## Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations. Do not release into the environment.

## Section 14: Transport Information

- **UN Number:** Not Applicable

- **Proper Shipping Name:** Sulfolane
- **Hazard Class:** Not Applicable
- **Packing Group:** Not Applicable

## Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories.
- Classified as hazardous substance as per GHS.

## Section 16: Other Information

- **Disclaimer:** The above information is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under actual conditions of use. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.

+91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

info@triveniinterchem.com | info@trivenichemical.com

www.triveniinterchem.com | www.trivenichemical.com

135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

GROUP OF Triveni CHEMICALS