



Material Safety Data Sheet

Product Name: Trimethyl Sulphoxonium Iodide

Section 1-Product Information

Formula : $(\text{CH}_3)_3\text{SOI}$
Molecular Wt. : 220.07
C.A.S. No. : 1774-47-6
HS Code : 29309070
Synonym's : Sulfonium, Trimethyl, Iodide, Oxide

Section 2-Composition, Information on Ingredients

Chemical Name : Trimethyl Sulphoxonium Iodide(TMSI)
Risk Phrase : Irritating to skin, eyes and respiratory system

Section 3-Emergency Overview

Potential Health Effects

Eyes : May cause Irritation
Skin : May cause Irritation
Ingestion : May cause Irritation of the digestive tract
Inhalation : May cause respiratory Irritation

Section 4-First Aid Measure

Eyes contact : Immediately flush with water for 15 min, seek medical attention.
Skin : Remove contaminated clothing and wash with plenty of water.
Ingestion : Do not induce vomiting. Seek medical attention.
Inhalation : Expose the person to fresh air and consult a doctor.

Section 5-Fire fighting procedure

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Special fire fighting procedure: None documented.
Unusual fire and Explosion Hazard: No

Section 6-Accidental Release Measure

General Information : Use personal protective equipments as indicated in section 8.
Spill/Leaks : Clean up spills immediately, observing precautions in the protective equipments sections. Sweep up then place into a suitable container for disposal.



Section 7-Handling and Storage

Handling : Avoid any contact with the substance. Remove contaminated Clothing and wash before reuse. Avoid contact with eyes, skin and clothings. Avoid ingestion and inhalation.

Storags : Store in a well closed container suitable for any general storage area.

Section 8-Exposure control/Personal protection

Engineering control : Use process enclosure, local exhaust ventilation or other Engineering controls to control airborne levels.

Personal Protective Equipments

Eyes : wear safety glasses.

Skin : wear appropriate gloves and clothing to protect skin exposure.

Clothing : wear appropriate clothing to minimize contact with skin.

Respirators : wear approved full-face piece air lined. Respirators in the positive mode with emergency escape provisions.

Section 9-Physical Chemical Properties

Physical state :Solid

Odour & Appearance :Cream cloured crystalline powder.

Specific Gravity :Not available.

Melting point :No sharp melting point decomposes at 170°C.

Solubility :Soluble in water.

pH :Acidic in nature.

Section 10-Stability and Reactivity

Stability :Stable.

Conditions to avoid :Heat,Light and sources of ignition.

Incompatibility :No data available

Hazardous Polymerizations :will not occur

Decomposition prod :Iodine

Section 11-Toxicity Information

Intraperitoneal – mus LD50 : 900mg/kg

Intravenous – mus LD50 :180 mg/kg

Section 12-Ecological Information

Mobility : Not available

Degradation : Not Biodegradable



Section 13-Disposal Considerations

Carefully sweep the material and wash the area with plenty of water.

Waste disposal method : Dispose as per regulations from local authorities.

Section 14-Transport Information

Shipping Name : Trimethyl Sulphoxonium Iodide

Hazard Class : Non Hazardous

UN Number : Not Listed

Section 15-Regulatory Information

Please check the consequences of regulation on this product yourself.

Section 16-Additional Information

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