

Trimethyliodosilane

SAFETY DATA SHEET

SDS

according to GHS(tenth revised edition)

Yangzhou Upkind Technologies Co., Ltd.

Section 1 - Product and Company Identification

Product name	Trimethyliodosilane
Applicant name	Yangzhou Upkind Technologies Co., Ltd.
Application address	Lingtang Town, Gaoyou, Yangzhou City, Jiangsu Province, China
Applicant post code	225652
Applicant fax	+86-514-84239570
Applicant emergency number	+86-514-85083570
Manufacturer name	Yangzhou Upkind Technologies Co., Ltd.
Manufacturer address	Lingtang Town, Gaoyou, Yangzhou City, Jiangsu Province, China
Manufacturer post code	225652
Manufacturer fax	+86-514-84239570
Manufacturer emergency number	+86-514-85083570
Effective date	July 25, 2025
Identified uses	Industrial and scientific research use
Uses advised against	no data available

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the tenth revised edition):

Hazard class	Flammable liquids	category2
	Skin corrosion/irritation	category1B
	Serious eye damage/eye irritation	category1

Pictogram



Signal

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H314 Causes severe skin burns and eye damage

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces.No smoking.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration	CAS No.	EC No.
Trimethyliodosilane	≥98%	16029-98-4	240-171-0

Section 4 – First Aid Measures

After skin contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
After eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion:	Carbon oxides, Hydrogen bromide gas, silicon oxides.
Extinguishing method:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment :	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal precautions:	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low 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. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

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.
Storage:	Store in cool place. 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.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls:	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection:	Use a full-face supplied air respirator.
Eye protection:	Wear chemical goggles
Body protection:	Protective work clothing
Hand Protection:	Wear impervious chemical resistant gloves
Other protection:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical and Chemical Properties

Appearance: Colorless to light red transparent liquid	Odor: No data available
Odor threshold: No data available	pH value: No data available
Melting point/freezing point(°C): No data available	Initial boiling point and boiling range(°C): 106
Flash point(°C)(closed cup): -31	Evaporation Rate: No data available
Flammability: No data available	Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): 1.406
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Viscosity(m²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Strong acids
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive toxicity: No data available
Specific target organ toxicity – single exposure: No data available
Specific target organ toxicity – repeated exposure: No data available
Aspiration hazard: No data available

Section 12 – Ecological Information

Ecotoxicity: No data available.

Biodegradability: No data available.

Abiotic degradation: No data available.

Bioaccumulation: No data available.

Other hazards No data available.

Section 13 – Disposal Considerations

Property of waste: No data available.

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.
Burning method is recommended.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number:2924

UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Transportation primary hazard class: 3+8

Transportation secondary hazard class: —

Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Trimethyliodosilane	-	-	-	-

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Other Information

Other information:

The information contained herein is prepared according to UN GHS (the tenth revised edition) and is accurate to the best of our knowledge. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.