Trimethyliodosilane

SAFETY DATA SHEET

SDS

Yangzhou Upkind Technologies Co., Ltd.

Section 1 - Product and Company Identification

Product name：	Trimethyliodosilane
Applicant name:	Yangzhou Upkind Technologies Co., Ltd.
Applicant address：	Lingtang Town, Gaoyou, Yangzhou City, Jiangsu Province, China
Applicant Fax：	+86-514-84239570
Applicant phone number：	+86-514-85083570
Effective date：	May 10, 2020

Section 2 –Hazards Identification

Label elements of the substance according to GHS(the sixth revised edition):

Pictogram

Signal Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H314 Causes severe skin burns and eye damage

H318 Causes serious 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.

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.

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

P405 Store locked up.

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	99%	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 iodide, 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
Melting point（℃）： No data availabe
Relative density： 1.406g/cm ^{3}(25℃)
Boiling point（℃）： 106
Relative density of steam distillation（g/mL）：No data availabe
Saturated vapor pressure(Kpa): No data availabe
Heat of combustion（kJ/mol）： No data available
Flash point（℃）： -31(Closed cup)
Critical pressure（Mpa）： No data availabe
Ignition temperature（℃）： No data availabe
Upper explosive limit%（V/V）： No data available
Partition coefficient octanol/water: No data availabe
Lower explosive limit%（V/V）： No data available

Section 10 – Stability and Reactivity

Stability：	Stable under recommended storage conditions
Substances to avoid：	Strong oxidizing agents, Strong acids, Strong bases, Strong oxidizing agents, Reacts violently with water.
Condition to avoid contact	Heat, flames and sparks. Extremes of temperature and direct sunlight. Do not allow water to enter container because of violent reaction.
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 irritationc:	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.

Transport hazard class: Class3+ Class8

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 - Additional Information

Other information: The information contained herein is prepared according to UN GHS (the sixth 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.