

Trimethylethynylsilane

SDS

SAFETY DATA SHEET

according to GHS(tenth revised edition)

Yangzhou Upkind Technologies Co., Ltd.


Section 1 - Product and Company Identification

Product name	Trimethylethynylsilane
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
Applicant email	Sales@upkind.com
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):

GHS hazard class

Physical hazard(s)	Flammable liquids	category3
Health hazard(s)	Skin corrosion/irritation	category2
	Sensitisation, skin	category2A
Environmental hazard(s)	Hazardous to the aquatic environment, long-term hazard	category3
Pictogram		

Signal

Warning

Hazard statement(s)

H226 Flammable liquid and vapour
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Prevention	<p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof [electrical/ventilating/lighting] equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 Wash thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
Response	<p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P304+P340 IF inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a poison center/doctor/if you feel unwell.</p> <p>P332+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>
Storage	<p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>
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.
Trimethylethynylsilane	≥98%	1066-54-2	213-919-9

Section 4 – First Aid Measures

After skin contact	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	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 chloride gas
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 Measures

Personal protective measures	Use personal protective equipment. 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 protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods for taking in and 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.
Hand Protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: Colorless 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): 53
Flash point(°C)(closed cup): -34	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): 0.695
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Kinematic viscosity (mm²/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
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

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: 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: Professional processing together

Section 14 - Transport Information

UN number: 1993

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

Transportation primary hazard class: 3

Transportation secondary hazard class: ——

Packing group: II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Trimethylethynylsilane	-	-	-	-

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:

This Safety Data Sheet (SDS) was prepared according to UN GHS (the tenth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.