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SECTION 1: Identification of the substance/mixture and of the company**Product Identifier**

Product Name: SiSiB® PC5626
Chemical Name: Triethylsilyl acetylene (TESA), Ethynyltriethylsilane
CAS-No.: 1777-03-3
EC-No.: N.A

Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified For industrial use

Details of the supplier of the safety data sheet

Company Nanjing SiSiB Silicones Co., Ltd.
Guanghua Sci & Tech Industrial Zone,
No. 104, Guanghua Road, Nanjing 210007, P.R.China
Email: SDS@SiSiB.com

Emergency Telephone Number: +86-25-8468-0091

SECTION 2: Hazardous identification**Classification of the substance or mixture****Classification according to (REGULATION (EC) No 1272/2008)[CLP]**

Flammable liquids Category 2 H225

Label elements**Labeling as per (EU) 1272/2008)**

Statutory basis EU-CLP as per Regulation (EU) No.1272/2008



Symbol(s)

Signal word

Danger

Hazard statement

H225: Highly flammable liquid and vapor.

Precautionary statement:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P370 + P378: In case of fire: Use dry powder or dry sand to extinguish.

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

Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

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SECTION 3: Composition/information on ingredients**Substances****Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No.1272/2008****Ethynyltriethylsilane**

Formula	C ₈ H ₁₆ Si
Molecular weight	140.30 g/mol
CAS-No.	1777-03-3

No components need to be disclosed according to the applicable regulations.

Texts of H phrases see in Chapter 16

SECTION 4: First aid measures**Description of first aid measures**

Take off all contaminated clothing immediately.

Inhalation:

If aerosol or mists are formed:

Move victims into fresh air.

Skin contact:

Wash off immediately with plenty of water.

Consult a doctor in the event of permanent skin irritation.

Eye contact:

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.

Continue rinsing process with eye rinsing solution.

Protect unharmed eye.

Call ambulance. (Cue: caustic burn of the eyes)

Immediate further treatment in eye clinic/by eye doctor. Continue rinsing eye until arrival at ophthalmic hospital.

Ingestion:

Have the mouth rinsed with water.

Only when patient fully conscious:

Have patient drink plenty of water in small sips.

Call a physician immediately.

Most important symptoms and effects, both acute and delayed**Symptoms:**

The most important known symptoms and effects are described in the labeling (see section 2) and/or in Section 11

Indication of any immediate medical attention and special treatment needed

If required, therapy of irritative effect.

SECTION 5: Firefighting measures**Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Standard procedure for chemical fires.

Advice for firefighters**Special protective equipment for firefighters:**

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

In case of fire: wear a self-contained respiratory apparatus.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapours, 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.

For personal protection see section 8.

Environmental precautions:

Do not allow entrance in sewage water, soil stretches of water, groundwater, and drainage systems.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Fill into marked, sealable containers.

To be disposed of in compliance with existing regulations.

Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

SECTION 7: Handling and storage**Precautions for safe handling**

Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities

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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.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Specific end use(s)

No further information available.

Applications; see Section 1.

SECTION 8: Exposure controls/personal protection**Control parameters****Other information**

No substance-specific limiting value being known.

Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering measures

Provide adequate ventilation.

Personal protective equipment**Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Impervious clothing, Flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Form:	powder
Colour:	light yellow
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point	136°C [760mmHg]
Flash point	17 °C - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.783 g/cm ³ at 25 °C
Refractive Index	1.433 [25°C]
Purity	Min 99.0%;
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10: Stability and reactivity**Reactivity**

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

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Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, silicon oxides

SECTION 11: Toxicological information

Information on toxicological effects

Acute oral toxicity No data available

Acute inhalation toxicity No data available

Acute dermal toxicity No data available

Skin irritation No data available

Eye irritation No data available

Sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Toxicity

No eco-toxicological data is available for this product.

Persistence and degradability

Biodegradability No data available

Bio-accumulative potential

Bioaccumulation No data available

Mobility in soil

Mobility No data available

Results of PBT and vPvB assessment

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This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Further information

toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations**Waste treatment methods****Product:**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company

Uncleaned packaging

Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities.

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

SECTION 14: Transportation information**Road ADR/Railway RID:****UN number**

UN 1993

Proper Shipping Name:

Flammable liquid, n.o.s. (Trimethoxyvinylsilane)

Transport hazard class(es)

3

Packing group

II

Environmental hazards

No

Special precautions for user

No data available

ADR

Tunnel Restriction Code: (-)

Transport by sea IMDG-Code:**UN number:**

UN 1993

Proper Shipping Name:

Flammable liquid, n.o.s. (Trimethoxyvinylsilane)

Transport hazard class(es)

3

Packing group

II

Environmental hazards

No

Special precautions for user

No data available

Air transport ICAO-TI/IATA-DGR:

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UN number: UN 1993
Proper Shipping Name: Flammable liquid, n.o.s. (Trimethoxyvinylsilane)
Transport hazard class (es) 3
Packing group II
Environmental hazards No
Special precautions for user No data available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
for transport approval see regulatory information

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National legislation

Major Accident Hazard Legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Chemical safety assessment

No substance-related safety assessment is necessary / has been conducted for this product.

SECTION 16: Other information

Relevant H phrases from chapter 3

H225: Highly flammable liquid and vapour.

Further information

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.