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

Product Name: SiSiB® PC9757
Chemical Name: 1H,1H,2H,2H-Perfluorooctyltriethoxysilane
CAS-No.: 51851-37-7
EC-No.: 257-473-3

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]**

Skin irritation	Category 2	H315
Eye irritation	Category 2	H319
Specific target organ toxicity - Single exposure	Category 3	H335
Chronic aquatic toxicity	Category 4	H413

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

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



Signal word	Warning
Hazard statement	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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H413	May cause long lasting harmful effects to aquatic life.
Precautionary statement:	
P280	Wear eye protection/ face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/ attention.

Other hazards

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.

SECTION 3: Composition/information on ingredients

Substances

Synonyms :	Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyltriethoxysilane
Molecular weight:	510.36 g/mol
CAS-No. :	51851-37-7
EC-No. :	257-473-3

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
1H, 1H, 2H, 2H-Perfluorooctyltriethoxysilane		
CAS-No. 51851-37-7	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 4;	<= 100 %
EC-No. 257-473-3	H315, H319, H335, H413	

Texts of H phrases see in Chapter 16.

SECTION 4: First aid measures

Description of first aid measures

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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)

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

Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

- Water spray
- Foam
- Carbon dioxide (CO₂)
- Dry powder

Special hazards arising from the substance or mixture

Carbon oxides
Hydrogen fluoride
Silicon oxides.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

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

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 vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:

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Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

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 contact with skin and eyes. Avoid inhalation of vapor or mist.

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

For precautions see section 2

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Combustible liquids.

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

Components with workplace control parameters

Not containing substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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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, 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. Discharge into the environment must be avoided.

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

Appearance:

Form	liquid
Color:	clear
Odor	No data available
Odor Threshold	No data available
PH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	97 °C - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
-Upper explosion limit:	25.9 % (V)
-Lower explosion limit:	0.8 % (V)
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available

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Water solubility	No data available
Partition coefficient: n-octanol/water	log Pow: 7.12
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

Other safety information

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

No data available.

Conditions to avoid

May form explosive mixtures in air.

Direct sources of heat.

Heat, flames and sparks.

Incompatible materials

No data available.

Hazardous decomposition products

Other decomposition products: no data available.

In the event of fire: see section 5.

SECTION 11: Toxicological information

Information on toxicological effects

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	

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.

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Reproductive toxicity	No data available
Specific target organ toxicity	
- Single exposure	Inhalation: May cause respiratory irritation.
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

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 affects No data available

SECTION 13: Disposal considerations

Waste treatment methods

Product:

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. 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.

If there is product residue in the emptied container, follow directions for handling on the container's label.

Incorrect disposal or reuse of this container is illegal and can be dangerous.

Other countries: observe the national regulations.

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such

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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

Transport on land (ADR/RID/GGVSEB)

UN number: ---
UN proper shipping name: Not dangerous goods
Transport hazard class (es): ---
Packing group: ---
Environmental hazards: No
Special precautions for user: No data available

Sea transport IMDG-Code/GGVSee (Germany)

UN number: ---
UN proper shipping name: Not dangerous goods
Transport hazard class (es): ---
Packing group: ---
Environmental hazards: No

--Marine pollutant

Special precautions for user: No data available

Air transport ICAO-TI/IATA-DGR

UN number: ---
UN proper shipping name: Not dangerous goods
Transport hazard class (es): ---
Packing group: ---
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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment

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

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SECTION 16: Other information**Relevant H phrases from chapter 3**

- | | |
|------|---------------------------------------------------------|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H413 | May cause long lasting harmful effects to aquatic life. |

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.