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

Product Name: SiSiB® PC9756

**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]**

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

**Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP):

Signal word (CLP):

Warning

Hazard statements (CLP):

H319 - Causes serious eye irritation.

Precautionary statements (CLP):

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P264 - Wash hands thoroughly after handling.

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**

No additional information available

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**SECTION 3: Composition/information on ingredients****Substances****Substance type** Mono-constituent**Name**

(TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL)TRIMETHOXYSILANE

**CAS-No.** 85857-16-5**EC-No.** 288-657-1

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	(CAS-No.) 85857-16-5 (EC-No.) 288-657-1	95 - 100	Not classified

Full text of H-statements: see section 16

**Mixtures**

Not applicable

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

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

**If inhaled**

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

**In case of skin contact**

Wash with plenty of water/....

**In case of eye contact**

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**If swallowed**

Never give anything by mouth to an unconscious person. Get medical advice/attention.

**Most important symptoms and effects, both acute and delayed****Symptoms/injuries after inhalation**

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

**Symptoms/injuries after skin contact**

May cause skin irritation.

**Symptoms/injuries after eye contact**

Causes serious eye irritation.

**Symptoms/injuries after ingestion**

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Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.

**Chronic symptoms**

On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system. Methanol may effect the central nervous system resulting in persistent or recurring headaches or impaired vision.

**Indication of any immediate medical attention and special treatment needed**

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**

Water spray. Foam. Carbon dioxide. Dry chemical.

**Special hazards arising from the substance or mixture****Fire hazard**

Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

**Advice for firefighters****Firefighting instructions**

Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces.

**Protection during firefighting**

Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

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

Remove ignition sources. Use special care to avoid static electric charges.

**For non-emergency personnel**

Protective equipment

Wear protective equipment as described in Section 8.

Emergency procedures

Evacuate unnecessary personnel.

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### For emergency responders

Protective equipment Equip cleanup crew with proper protection.

### Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### Methods and materials for containment and cleaning up

For containment Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it.

### Reference to other sections

See section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### Precautions for safe handling

Additional hazards when processed: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling: Avoid all eye and skin contact and do not breathe vapor and mist. Ground/bond container and receiving equipment. Provide good ventilation in process area to prevent formation of vapor. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep container tightly closed.

Incompatible materials: Acids. alcohols. Oxidizing agent. Moisture. Water.

Storage area: Store in a well-ventilated place. Store away from heat.

### Specific end use(s)

No additional information available

## SECTION 8: Exposure Controls/Personal Protection

### Control parameters

No additional information available

### Exposure controls

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### Appropriate engineering controls

Provide local exhaust or general room ventilation.

### Personal protective equipment

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### Hand protection

Neoprene or nitrile rubber gloves

### Eye protection

Chemical goggles. Contact lenses should not be worn.

### Skin and body protection

Wear suitable protective clothing.

### Respiratory protection

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified combination organic vapor/acid gas (yellow cartridge) respirator.

## SECTION 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance	Form: clear liquid
Molecular mass	468.29 g/mol
Color	straw
Odor	mild. Methanol.
Odor Threshold	no data available
Refractive index	1.3322
pH	no data available
Relative evaporation rate (butyl acetate=1)	no data available
Melting point	no data available
Freezing point	< 0 °C
Boiling point	60 - 62 °C @ 0.5 mm Hg
Flash point:	> 65 °C
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapor pressure:	< 1 mm Hg @ 25°C
Relative vapor density at 20 °C	> 1
Relative density	1.44
Solubility	Reacts with water
Log Pow	no data available
Log Kow	no data available
Viscosity, kinematic	no data available

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Viscosity, dynamic	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Explosive limits	no data available
<b>Other information</b>	
no data available	

## SECTION 10: Stability And Reactivity

### Reactivity

no data available

### Chemical stability

Stable in sealed containers stored under a dry inert atmosphere.

### Possibility of hazardous reactions

Reacts with water and moisture in air, liberating methanol.

### Conditions to avoid

Heat. Open flame. Sparks

### Incompatible materials

Acids. alcohols. Oxidizing agent. Moisture. Water.

### Hazardous decomposition products

At elevated temperatures (>260°C) forms: Hydrogen fluoride. Methanol. Organic acid vapors.

## SECTION 11: Toxicological Information

### Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.	
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Symptoms/effects after inhalation	May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

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Symptoms/effects after skin contact	May cause skin irritation.
Symptoms/effects after eye contact	Causes serious eye irritation.
Symptoms/effects after ingestion	Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.
Chronic symptoms	On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system. Methanol may effect the central nervous system resulting in persistent or recurring headaches or impaired vision.

## SECTION 12: Ecological Effects

### Toxicity

Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified

### Persistence and degradability

No additional information available

### Bioaccumulative potential

No additional information available

### Mobility in soil

No additional information available

### Results of PBT and vPvB assessment

No additional information available

### Other adverse effects

This substance may be hazardous to the environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

Product/Packaging disposal recommendations:

May be incinerated. Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents/container to licensed waste disposal facility

Ecology - waste materials:

Avoid release to the environment.

## SECTION 14: Transport Information

### UN number

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In accordance with ADR / RID / IMDG / IATA / ADN

UN-No. (ADR)	Not applicable
UN-No. (IMDG)	Not applicable
UN-No. (IATA)	Not applicable
UN-No. (ADN)	Not applicable
UN-No. (RID)	Not applicable

**UN proper shipping name**

Proper Shipping Name (ADR)	Not applicable
Proper Shipping Name (IMDG)	Not applicable
Proper Shipping Name (IATA)	Not applicable
Proper Shipping Name (ADN)	Not applicable
Proper Shipping Name (RID)	Not applicable

**Transport hazard class(es)**

**ADR**

Transport hazard class(es) (ADR)	Not applicable
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**IMDG**

Transport hazard class(es) (IMDG)	Not applicable
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**IATA**

Transport hazard class(es) (IATA)	Not applicable
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**ADN**

Transport hazard class(es) (ADN)	Not applicable
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**RID**

Transport hazard class(es) (RID)	Not applicable
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**Packing group**

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

**Environmental hazards**

Dangerous for the environment	No
Marine pollutant	No

Other information  
This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons (450 liters). The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.

**Special precautions for user**

**Overland transport**

Vehicle for tank carriage: FL



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Transport category (ADR): 3

**Transport by sea**

No data available

**Air transport**

No data available

**Inland waterway transport**

No data available

**Rail transport**

No data available

**Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## SECTION 15:Regulatory Information

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

**EU-Regulations**

No REACH Annex XVII restrictions

(TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL)TRIMETHOXYSILANE is not on the REACH Candidate List

(TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL)TRIMETHOXYSILANE is not on the REACH Annex XIV List

(TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL)TRIMETHOXYSILANE is not subject to REGULATION (EU) No 649/2012 OF THE

EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

(TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL)TRIMETHOXYSILANE is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

**National regulations**

**Germany**

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

SZW-lijst van kankerverwekkende stoffen

The substance is not listed

SZW-lijst van mutagene stoffen

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

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The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

The substance is not listed

**Denmark**

Classification remarks: Emergency management guidelines for the storage of flammable liquids must be followed

**Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16: Other Information**

**Full text of H- and EUH-statements:**

Eye Irrit. 2

Serious eye damage/eye irritation, Category 2

H319

Causes serious eye irritation.

**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.