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

Product Name: SiSiB® PC6112
Chemical Name: 1,2-Bis(trimethoxysilyl)ethane
CAS-No.: 18406-41-2

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]**

H330 Acute toxicity (inhalation: vapor) Category 2
H319 Serious eye damage/eye irritation, Category 2
Full text of H statements: see section 16

Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

Precautionary statement(s)

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

P260 Do not breathe vapors.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P310 Immediately call a POISON CENTER or doctor/physician

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Other hazards - none**SECTION 3: Composition/information on ingredients**Formula: $C_8H_{22}O_6Si_2$
Molecular Weight: 270,43 g/mol

CAS-No.	EC-No	Index-No.	Classification	%
3,3,6,6-Tetramethoxy-2,7-dioxa-3,6-disilaoctane				
18406-41-2	242-285-6	-	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Inhalation: dust, mist), H330 Eye Irrit. 2, H319	> 95

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**General advice**

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

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

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

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

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures**Personal precautions**

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

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

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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

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

Normal measures for preventive fire protection.

Conditions for safe storage

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. Store in cool place.

SECTION 8: Exposure Controls/Personal Protection**Personal protective equipment****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).

Hand 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.

Eye 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 and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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

Physical state:	Liquid
Appearance:	Clear liquid.
Molecular mass:	270.43 g/mol
Color:	No data available
Odor:	characteristic.
Odor threshold:	No data available
Refractive index:	1.4091
pH:	No data available
Relative evaporation rate (butylacetate=1):	< 1
Melting point:	No data available
Freezing point:	< 0 °C
Boiling point:	103 - 104 °C @ 5 mm Hg
Flash point:	65 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Combustible liquid
Vapor pressure:	0.08 mm Hg @ 20°C
Relative vapor density at 20 °C:	> 1
Relative density:	1.068
Volatiles:	10 %
Solubility:	Reacts with water.
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	No data available

SECTION 10: Stability And Reactivity**Chemical stability**

Stable under recommended storage conditions.

Conditions to avoid

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Avoid moisture.

Materials to avoid

Strong oxidizing agents, Alcohols, Oxidizing agents, Heavy metal salts

Hazardous decomposition products

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

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

IARC: No component of this product present 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

Potential health effects

Inhalation May be fatal if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Additional Information

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RTECS: JG7873000

SECTION 12: Ecological Effects

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13: Disposal considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport Information

ADR/RID

UN-Number: 3382 Class: 6.1 Packing group: I

Proper shipping name:

TOXIC BY INHALATION LIQUID, N.O.S.

IMDG

UN-Number: 3382 Class: 6.1 Packing group: I EMS-No: F-A, S-A

Proper shipping name:

TOXIC BY INHALATION LIQUID, N.O.S.

Marine pollutant: No

IATA

UN-Number: 3382 Class: 6.1

Proper shipping name:

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Toxic by inhalation liquid, n.o.s.

IATA Passenger: Not permitted for transport

IATA Cargo: Not permitted for transport

SECTION 15:Regulatory Information

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

SECTION 16:Other Information

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapor.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H371	May cause damage to organs.

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.