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

Product Name: SiSiB® PC9180

Chemical Name: Octaphenylcyclotetrasiloxane

**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 &amp; 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****OSHA Haz Com: CFR 1910.1200: WHMIS 2015:**

Not classifiable

Signal word: None

Hazard Statement(s): None

Pictogram(s) or Symbol(s): None

Precautionary Statement(s): None

Hazards not otherwise classified: [HNOC]

None

**SECTION 3: Composition/information on ingredients**

Substance/mixture: Substance

Components: Octaphenylcyclotetrasiloxane

Percent: &gt;98.0%(HPLC)

CAS RN: 546-56-5

Molecular Weight: 793.18

Chemical Formula: C<sub>48</sub>H<sub>40</sub>O<sub>4</sub>Si<sub>4</sub>**SECTION 4: First aid measures****Description of first aid measures****Inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

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**Skin contact:**

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:**

Get medical advice/attention if you feel unwell. Rinse mouth.

**Symptoms/effects:**

Acute: No data available

Delayed: No data available

**Indication of any immediate medical attention:**

Not available.

**Notes to physician:**

No data available

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

Dry chemical, foam, carbon dioxide.

**Specific hazards arising from the chemical:**

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

**Hazardous combustion products:**

These products include: Carbon oxides Silicates

**Other specific hazards:**

Closed containers may explode from heat of a fire.

**Advice for firefighters:**

Wear self-contained breathing apparatus if possible.

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

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

**Environmental precautions:**

Prevent product from entering drains.

**Methods and materials for containment and cleaning up:**

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities****Storage conditions:**

Keep container tightly closed. Store in a cool and dark place.

Store away from incompatible materials such as oxidizing agents.

**Packaging material:**

Comply with laws.

**SECTION 8: Exposure Controls/Personal Protection****Appropriate engineering controls:**

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

**Personal protective equipment****Respiratory protection:**

Dust respirator. Follow local and national regulations.

**Hand protection:**

Protective gloves.

**Eye protection:**

Safety goggles. A face-shield, if the situation requires.

**Skin and body protection:**

Protective clothing. Protective boots, if the situation requires.

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

Physical state (20°C):	Solid
Form:	Crystal - Powder
Color:	White - Almost white
Odor:	No data available
Odor threshold:	No data available
Melting point/freezing point:	201°C (394°F)
pH:	No data available

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Boiling point/range:	332°C /0.1kPa (630°F)
Vapor pressure:	No data available.
Decomposition temperature:	No data available
Vapor density:	No data available
Relative density:	No data available
Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available
Log Pow:	No data available
Evaporation rate (Butyl Acetate=1):	No data available
Flash point:	No data available
Autoignition temperature:	No data available
Flammability (solid, gas):	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Solubility(ies):	
[Water]	No data available
[Other solvents]	No data available

**SECTION 10: Stability And Reactivity****Reactivity**

no data available

**Chemical stability**

Stable under proper conditions.

**Possibility of hazardous reactions**

No special reactivity has been reported.

**Conditions to avoid**

Spark, Open flame, Static discharge

**Incompatible materials**

Oxidizing agents

**Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, Silicon oxides

**SECTION 11: Toxicological Information****Acute toxicity**

ori-rat LD50:&gt;4640 mg/kg

**Skin corrosion/irritation**

No data available

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**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

**IARC**

No data available

**NTP**

No data available

**OSHA**

No data available

**Reproductive toxicity**

No data available

**Target organ(s):**

No data available

**SECTION 12: Ecological Effects****Ecotoxicity:**

Fish: No data available

Crustacea: No data available

Algae: No data available

**Persistence / degradability: No data available**

Bioaccumulative potential (BCF): No data available

**Mobility in soil**

Log Pow: No data available

Soil adsorption (Koc): No data available

Henry's Law (PaM<sup>3</sup>/mol): No data available**SECTION 13: Disposal considerations****Disposal of product:**

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of

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Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

**Disposal of container:**

Dispose of as unused product.

**Other considerations:**

Observe all federal, state and local regulations when disposing of the substance.

**SECTION 14:Transport Information****DOT (US)**

Non-hazardous for transportation.

**IATA**

Non-hazardous for transportation.

**IMDG**

Non-hazardous for transportation.

**SECTION 15:Regulatory Information****Toxic Substance Control Act (TSCA 8b.):**

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

**US Federal Regulations****CERCLA Hazardous substance and Reportable Quantity:**

SARA 313: Not Listed

SARA 302: Not Listed

**State Regulations****State Right-to-Know**

Massachusetts Not Listed

New Jersey Not Listed

Pennsylvania Not Listed

California Proposition 65: Not Listed

**Other Information**

NFPA Rating: HMIS Classification:

Health: 1 Health: 1

Flammability: 1 Flammability: 1

Instability: 0 Physical: 0

**International Inventories**

Canada: DSL On DSL

EC-No: 208-904-9

**SECTION 16:Other Information**

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**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.