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SECTION 1: Identification of the substance/mixture and of the company

Product Identifier

Product Name: SiSiB® PC16519
Chemical Name: Cyclopentasiloxane (and) Dimethicone (and) Dimethicone / Vinyl Dimethicone Crosspolymer

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

Relevant applications identified: Cosmetics

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 of the substance

According to REGULATION (EC) No 1272/2008, based on available data, the classification criteria are not met:

REGULATION (EC) No 1272/2008

Hazard classes/Hazard categories

Not classified

Hazard codes

N/A

Label elements

Hazard pictogram(s)

No hazard pictogram is used.

Signal word

Not signal word is used.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

Supplemental Hazard information (EU)

Not applicable.

Other hazards

No data available.

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SECTION 3: Composition/information on ingredients

Substances/Mixture

Ingredient(s)

IUPAC Name	CAS No.	Concentration (%)
Dimethicone	63148-62-9/ 9006-65-9/ 9016-00-6	42-44
Siloxanes and silicones, dimethyl, polymers with mono[(ethenyldimethylsilyl)oxy]-terminated dimethyl siloxanes	243137-53-3	12-16
Decamethylcyclopentasiloxane	541-02-6	42-44

SECTION 4: First aid measures

Description of first aid measures

First aid responders should pay attention to self-protection and use recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

In case of inhalation

Move person into fresh air and keep comfortable for breathing; consult a physician.

In case of skin contact

Wash off with plenty of water.

In case of eyes contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

In case of ingestion

Rinse mouth with water. No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed

Suspected of damaging fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed

Notes to physician

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

Extinguishing media

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Suitable extinguishing media

Alcohol-resistant foam. Dry chemical. Dry sand.

Unsuitable extinguishing media

High volume water jet. Do not use direct water stream.

Special hazards arising from the substance or mixture

Silicon oxides. Carbon oxides. Formaldehyde.

Advice for firefighters

Fire Fighting Procedures

Use water spray to cool unopened containers. Evacuate area.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Do not use a solid water stream as it may scatter and spread fire.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions:

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Clean up remaining materials from spill with suitable absorbant. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

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Precautions for safe handling

Avoid inhalation of vapour or mist. Avoid contact with eyes. Do not swallow. Avoid prolonged or repeated contact with skin. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied.

Use with local exhaust ventilation. See Engineering measures under EXPOSURE

CONTROLS/PERSONAL PROTECTION section.

Conditions for safe storage, including any incompatibilities

Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Strong acids. Strong bases Store in accordance with the particular national regulations. Keep away from heat and sources of ignition. Do not store with the following product types: Strong oxidizing agents. Explosives. Gases. Unsuitable materials for containers: None known.

SECTION 8: Exposure Controls/Personal Protection

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Component	Regulation	Type of listing	Value
Decamethylcyclopentasiloxane	US WEEL	TWA	10 ppm

Exposure controls

Engineering controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection

Use safety glasses (with side shields).

Skin protection

Hand protection

Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and

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duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other Protection

Wear clean, body-covering clothing.

Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Colorless translucent gel
Color	Colorless
Odor	slight
Odor Threshold	Not available
pH	Not available
Melting point/range	Not available
Boiling point/range	>35°C
Flash point:	>77 °C - closed cup
Evaporation rate	Not available
Flammability limit – lower (%)	Not available
Flammability (solid, gas)	Not available
Upper/lower explosive limits	Not available
Vapor pressure(20°C)	Not available
Vapor density:	Not available
Density	Not available
Bulk density (kg/m³)	Not available
Water solubility (g/L):	Not available
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	300,000 – 800,000 mPa.s (25°C)
Explosive properties	Not available

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Oxidizing properties Not available

Molecular Formula: Not available

Molecular Weight: Not available

Other information

Fat solubility(solvent-oil to be specified) Not available
 etc:

Surface tension Not available

Dissociation constant in water (pKa): Not available

Oxidation-reduction Potential: Not available

SECTION 10: Stability And Reactivity

Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Can react with strong oxidizing agents. Vapours may form explosive mixture with air. Combustible liquid.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Avoid contact with oxidizing materials. Avoid contact with: Strong acids Strong bases.

Hazardous decomposition products

Decomposition products can include and are not limited to: Formaldehyde.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 (Oral – Rat)

Not available.

LC50 (Inhalation – Rat)

Not available.

LD50 (Dermal – Rabbit)

Not available.

Skin corrosion/irritation

Not classified.

Serious eye damage/eye irritation

Not classified.

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Respiratory or skin sensitization

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not classified.

Information on other hazards

The substance is not identified as having endocrine disrupting properties.

Other information

Not applicable.

SECTION 12: Ecological Effects

Toxicity

Acute (short-term) toxicity

LC50 (96h, Fish)

Not available.

EC50 (48h, Crustacea)

Not available.

EC50 (72h, Algae/aquatic plants)

Not available.

Chronic (long-term) toxicity

Not available.

NOEC (Fish)

Not available.

NOEC (Crustacea)

Not available.

NOEC (Algae/aquatic plants)

Not available.

Persistence and degradability

Not available.

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Bioaccumulative potential

Not available.

Mobility in soil

Not available

Results of PBT and vPvB assessment

The substance is not identified as having endocrine disrupting properties.

Other adverse effects

Not available

Additional information

Not available

SECTION 13: Disposal considerations

Disposal methods

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 1: Identified Uses. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, Section 7 Stability & Reactivity Information, Section 10 Regulatory Information, Section 15

Treatment and disposal methods of used packaging

Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility of the waste generator. Do not re-use containers for any purpose.

SECTION 14: Transport Information

UN number:	Not regulated as a dangerous good.
DOT Road shipment Information:	Not subject to DOT.
Ocean Shipment (IMDG):	Not subject to IMDG code.
Air Shipment (IATA):	Not subject to IATA regulations.

SECTION 15: Regulatory Information

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

Relevant information regarding authorization

Not applicable.

Relevant information regarding restriction

Not applicable.

Other EU regulations

Employment restrictions concerning young person must be observed.

For use only by technically qualified individuals.

Other National regulations

Not applicable.

Chemical Safety Assessment

No

SECTION 16:Other Information

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.