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

Product Identifier

Product Name:	SiSiB® PC16262
Chemical Name:	Cyclopentasiloxane (and) 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

Emergency overview

Appearance:	Transparent to slightly translucent gel
Color:	Colorless to Slight yellow
Odor:	Odorless
GHS Classification:	Flammable liquids: Category 4

GHS Label Elements

Statements Symbol:	None
Signal Word:	WARNING!
Hazard statements:	Combustible liquid.

Precautionary Statement

Prevention:	P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
Storage:	Store in a well-ventilated place. Keep cool.
Disposal:	Dispose of contents/ container to an approved waste disposal plant.
Physical and Chemical Hazards:	Combustible liquid.
Health Hazards:	Not classified based on available information
Environmental Hazards:	Not classified based on available information

Other Hazards: No data available

SECTION 3: Composition/information on ingredients

Chemical characterization

Mixture

Ingredients

Chemical Name	CAS No.	% (w/w)
Dimethicone Crosspolymer	-	11-14
Cyclopentasiloxane	541-02-6	86-89

Hazardous Ingredients

Chemical Name	CAS No.	% (w/w)
Cyclopentasiloxane	31807-55-3	40-60
Cyclotetrasiloxane	556-67-2	＜0.1
Cyclohexasiloxane	540-97-6	＜0.5

SECTION 4: First aid measures

Description of first aid

Measures

If potential for exposure exists refer to Section 8 for specific personal.

Protection of first-aiders

protective equipment

Eye

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.

Wash off with plenty of water

Skin

Move person to fresh air; if effects occur, consult a physician.

Inhalation

No emergency medical treatment necessary.

Oral

Treatment of exposure should be directed at the control of symptoms

Comments

and the clinical condition of the patient.

SECTION 5: Firefighting measures

Autoignition Temperature

Not determined.

Flammability limited in air

Not determined.

Extinguishing Media

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2), dry chemical or water spray. Water can be used to cool fire exposed containers

Fire Fighting Measures

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.

Unusual Fire Hazards

None.

Hazardous Decomposition Products

Carbon oxides and traces of incompletely burned carbon compounds.
Silicon dioxide. Formaldehyde.

SECTION 6: Accidental release measures

Containment/Clean up

Remove possible ignition sources. Determine whether to evacuate or isolate the area according to your local emergency plan. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and 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 laws and regulations are applicable.

SECTION 7: Handling and storage

Handling Precautions

Use with adequate ventilation. Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Wash your hands after handling, especially before having lunch.

Storage Condition

Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame.

SECTION 8: Exposure Controls/Personal Protection

Exposure Limits

Chemical Name	CAS No.	Limits
Cyclopentasiloxane	541-02-6	TWA＜10ppm
Octamethylcyclotetrasiloxane	556-67-2	TWA＜10ppm

Local Ventilation

General Ventilation

Recommended.

Personal Protection

Eyes

Use proper protection-safety glasses as a minimum.

Skin

Washing at mealtime and end of shift is adequate.

Inhalation

No respiratory protection should be needed.

Suitable Gloves

No special protection needed.

Suitable Respirator

None should be needed.

Note

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical Form	Clear to slightly translucent gel
Color	Colorless to Slight yellow
Odor	Odorless
pH	No data available
Flash Point	> 88°C (Closed Cup)
Melting Point	No data available
Freezing point	No data available
Boiling Point (760 mmHg):	No data available
Evaporation Rate (Butyl Acetate=1)	No data available
Flammability (solid, gas)	Not applicable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor Pressure	No data available
Relative Vapor Density (air=1)	No data available
Relative Density (water=1)	0.93
Water solubility	No data available

Partition coefficient:n-octanol /water	No data available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Explosive properties	Not explosive
Oxidizing properties	The product is not classified as oxidizing.
Molecular weight	No data available

SECTION 10: Stability And Reactivity

Chemical Stability

Stable.

Hazardous Polymerization

Hazardous polymerization will not occur.

Conditions to Avoid:

None.

Materials to Avoid

Oxidizing material can cause a reaction.

SECTION 11: Toxicological Information

Sensitizing Effects

No data available

Mutagenic Effects

No data available

Reproductive Effects

No data available

SECTION 12: Ecological Effects

Ecotoxicity Effects

Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms. No toxicity at the limit of solubility

Acute toxicity to aquatic invertebrates

No toxicity at the limit of solubility

Acute toxicity to algae/aquatic plants

No toxicity at the limit of solubility

Chronic toxicity to fish

No toxicity at the limit of solubility

Toxicity to soil-dwelling organisms

This product does not have any known adverse effect on the soil organisms tested

Mobility in Soil

Cyclopentasiloxane

Expected to be relatively immobile in soil (Koc > 5000).

Partition coefficient (Koc)

> 5000 Estimated.

Octamethylcyclotetrasiloxane

Expected to be relatively immobile in soil (Koc > 5000).

Results of PBT and vPvB assessment

Cyclopentasiloxane

Cyclopentasiloxane (D5) meets the current REACH Annex XIII criteria for vPvB. However, D5 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D5 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms. Based on an independent scientific panel of experts, the Canadian Minister of the Environment has concluded that "D5 is not entering the environment in a quantity or concentration or under conditions that have or may have an immediate or long-term harmful effect on the environment or its biological diversity, or that constitute or may constitute a danger to the environment on which life depends".

Octamethylcyclotetrasiloxane

Octamethylcyclotetrasiloxane(D4) is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB). Octamethylcyclotetrasiloxane (D4) meets the current REACh Annex XIII criteria for PBT and vPvB. In Canada, D4 has been assessed anddeemed to meet the PiT criteria. However, D4 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D4 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms.

Dodecamethylcyclohexasiloxane

Dodecamethylcyclohexasiloxane(D6) meets the current REACH Annex XIII criteria for vPvB. However, D6 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D6 is not biomagnifying in aquatic and terrestrial food webs. D6 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere.

Other adverse effects

Cyclopentasiloxane

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Octamethylcyclotetrasiloxane

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Dodecamethylcyclohexasiloxane

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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 solely of the waste generator. for unused & uncontaminated product, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

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 solely of the waste generator. Do not re-use containers for any purpose.

SECTION 14: Transport Information

DOT Road shipment Information

Not regulated for transport

Ocean Shipment (IMDG)

Not regulated for transport

Air Shipment (IATA)

Not regulated for transport

SECTION 15: Regulatory Information

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

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable

Regulation (EC) No1272/2008 on classification, labeling and packaging of substances and mixtures: Not a hazardous substance or mixture

REACH-Candidate List of SVHC for authorization: Cyclopentasiloxane (D5) & Octamethylcyclotetrasiloxane(D4) &Dodecamethylcyclohexasiloxane(D6)

REACH: All ingredients are currently registered or exempt under REACH.
Take note of “Regulations of Safe Use of Chemicals in Workplace”, Ministry of Chemical Industry, 1996, 20th, Dec.

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.