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

Product Identifier

Product Name: SiSiB® PC19817

Chemical Name: Phenyl Trimethicone

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

Hazard Classification: Acute toxicity (inhalation-dust and mist): Category 2

Label Elements Including Precautionary

Statements Symbol:

Signal Word: Danger

Hazard Risk Statement: Fatal if inhaled

Precautionary Statement

Wear reparatory protection. Do not breathe dust/mist/vapors/spray.

IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF on skin (or hair): Remove/Take off all contaminated clothing. Rinse skin with water/shower.

Store in a well-ventilated place. Keep container tightly closed. Dispose of in accordance with local regulations.

Other Hazards:

None known.

SECTION 3: Composition/information on ingredients

Chemical characterization: Substance

Chemical Name	CAS. No.	Conc.

Silsesquioxanes, phenyl trimethylsilyloxylterminated	70131-69-0	100%

SECTION 4: First aid measures

Eye: Immediately flush with water.
Skin: No first aid should be needed.
Inhalation: Remove to fresh air.
Oral: Get medical attention.
Comments: Treat symptomatically.

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
Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:
Discharge into the environment must be avoided.
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

Avoid eye contact. Do not breathe spray or mist. Do not take internally.

Storage Condition

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

SECTION 8: Exposure Controls/Personal Protection

Exposure Limits	No exposure limits
Personal Protection	
Eyes:	Use proper protection-safety glasses as a minimum.
Skin:	Washing at mealtime and end of shift is adequate.
Inhalation:	Use a suitable respirator.
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	Colorless to yellowish transparent liquid
Odor	Odorless
Specific Gravity（@ 25°C）	0.970~1.000
Flash point	>100°C (Open cup)
Melting point	Not determined
Boiling point	> 65°C
Vapor pressure（@ 25°C）	Not determined
Vapor Density (air=1)	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined

Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
pH	Not determined

SECTION 10: Stability And Reactivity

Chemical stability	Stable
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to avoid	High temperature and high pressure.
Materials to Avoid	Can react with strong oxidizing agents.

SECTION 11:Toxicological Information

Information on likely routes of exposure:

Inhalation, skin contact and accidental ingestion.

Signs and Symptoms of Overexposure:

Fatal if inhaled.

Acute toxicity:

LC50: 0.467 mg/l - Inhalation Rat; 4hr dust/mist

LD50: > 2,000 mg/kg - Dermal Rabbit

Eyes: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Ingestion: Low ingestion hazard in normal use.

Inhalation: Fatal if inhaled of mist/spray.

Chronic Toxicity:

Skin: No known applicable information.

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

Inhalation: No known applicable information.

Other Health Hazard Information:

Recent study shows that rats exposed via inhalation to aerosol of trimethyl phenyl silsesquioxane display a high order of toxicity (4 hour LC50 0.47 mg/L). These responses have not been observed in animals exposed via other routes (oral ingestion and dermal).

SECTION 12: Ecological Effects

Aquatic and Terrestrial Ecotoxicity

Ecotoxicity Effects:

Acute: No adverse effects on aquatic organisms are predicted.

Chronic: No adverse effects on aquatic organisms are predicted.

Fate and Effects in Waste

Water Treatment Plants

No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD.

Environmental Effects

No adverse effects on aquatic organisms are predicted.

Fate and Effects in Waste Water treatment plants

No adverse effects on aquatic organisms are predicted.

SECTION 13:Disposal considerations

Product Disposal: Dispose of in accordance with local regulations.

Packaging Disposal: Dispose of in accordance with local regulations.

SECTION 14:Transport Information

DOT Road shipment Information:

Normal transport, Not subject to IATA regulations.

Ocean Shipment (IMDG):

Normal transport, Not subject to ADR/RID.

Air Shipment (IATA):

Normal transport, Not subject to IMDG code.

SECTION 15:Regulatory Information

“Regulations of Safe Use of Chemicals in Workplace”, Ministry of Chemical Industry, 1996, 20th, Dec.

Hazard items: All components exempted.

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.