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

Product Identifier

Product Name: SiSiB® PF1070-500K
Chemical Name: α,ω -silanol-terminated polydimethylsiloxane
CAS-No.: 70131-67-8

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 (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Label elements

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients

Substances

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No.1272/2008

α,ω -silanol-terminated polydimethylsiloxane (α,ω -Dihydroxypolydimethylsiloxane)

CAS-No. 70131-67-8

Chemical nature: Silicone

Hazardous components

Remarks: No hazardous ingredients

SECTION 4: First aid measures

Description of first aid measures

No special precautions are necessary for first aid responders.

Inhalation

If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

Skin contact

Wash with water and soap as a precaution.

Get medical attention if symptoms occur.

Eye contact

Flush eyes with water as a precaution.

Get medical attention if irritation develops and persists.

Swallowed

If swallowed, DO NOT induce vomiting.

Get medical attention if symptoms occur.

Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically and supportively.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Water spray
Treat symptomatically and supportively.
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:

Exposure to combustion products may be a hazard to health.

Hazardous combustion Products: Carbon oxides
Silicon oxides
Formaldehyde

Advice for firefighters

Special protective equipment for firefighters

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

In case of fire: wear a self-contained respiratory apparatus

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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 material for containment and cleaning up

Soak up with inert absorbent material.

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.

Clean up remaining materials from spill with suitable absorbent.

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.

Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Technical measures

See engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation

Use only with adequate ventilation.

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Requirements for storage

Keep in properly labeled containers.

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Areas and containers

Store in accordance with the particular national regulations

Advice on common

Do not store with strong oxidizing agents

Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

Control parameters

Contains no substances with occupational exposure limit values

Exposure controls

Engineering measures

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Personal protective equipment

Eye protection

Wear the following personal protective equipment: Safety glasses

Hand protection

Remarks: Wash hands before breaks and at the end of workday.

Skin and body protection

Skin should be washed after contact.

Respiratory protection

No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	viscous liquid
Color:	colorless
Odor:	none
Odor Threshold:	No data available
PH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 35 °C
Flash point:	> 300 °C

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Method:	closed cup
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper explosion limit:	No data available
Upper flammability limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Relative density:	0.97
Solubility (ies)	
Water solubility:	No data available
Partition coefficient:	
N-octane/water:	No data available
Auto-ignition temperature:	No data available
Decomposition	
Temperature:	No data available
Viscosity	
Viscosity, kinematic:	500000 cSt (25 °C)
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Other information	
Flammability (liquids):	Ignitable (see flash point)
Molecular weight:	No data available
Particle size:	Not applicable
Self-ignition:	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self-heating.

SECTION 10: Stability and reactivity

Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Use at elevated temperatures may form highly hazardous compounds.

Can react with strong oxidizing agents

Hazardous decomposition products will be formed at elevated temperatures.

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Conditions to avoid

None known

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Thermal decomposition: Formaldehyde.

SECTION 11: Toxicological information

Information on toxicological effects

Information on likely Routes of exposure: Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

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Aspiration toxicity

Not classified based on available information.

Product

No aspiration toxicity classification

SECTION 12: Ecological information

Toxicity

No data available

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

Not relevant

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Product

Dispose of in accordance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

SECTION 14: Transportation information

UN number

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Not regulated as a dangerous good

UN proper shipping name

Not regulated as a dangerous good

Transport hazard class(es)

Not regulated as a dangerous good

Packing group

Not regulated as a dangerous good

Environmental hazards

Not regulated as a dangerous good

Special precautions for user

Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59):

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants:

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

The components of this product are reported in the following inventories:

REACH: All ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses.

TSCA: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

AICS: All ingredients listed or exempt.

IECSC: All ingredients listed or exempt.

ENCS/ISHL: All components are listed on ENCS/ISHL or exempted from inventory listing.

KECI: All ingredients listed, exempt or notified.

TCSI: All ingredients listed or exempt.

Chemical safety assessment

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No substance-related safety assessment is necessary / has been conducted for this product.

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.