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

**Product Identifier**

Product Name: SiSiB® PF1070-700  
Chemical Name:  $\alpha,\omega$ -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**

$\alpha,\omega$ -silanol-terminated polydimethylsiloxane ( $\alpha,\omega$ -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 (CO<sub>2</sub>)

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:	700 cSt (25 °C)
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
<b>Other information</b>	
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.

**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.

**Aspiration toxicity**

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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**

Not regulated as a dangerous good.

**UN proper shipping name**

Not regulated as a dangerous good.

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**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**

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



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**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.