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

Product Name: SiSiB® HF2078

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 according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No additional information available

Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**Substances****Substance type**

Mono-constituent

NamePOLYPHENYL-(DIMETHYLHYDROSILOXY)SILOXANE,
HYDRIDE TERMINATED**CAS-No.**

68952-30-7/925454-54-2

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silsesquioxanes, phenyl, hydrogen terminated	(CAS-No.) 68952-30-7/925454-5 4-2	95 - 100	Not classified

Full text of H-statements: see section 16

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Mixtures

Not applicable

SECTION 4: First aid measures**Description of first aid measures****First-aid measures general**

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

In case of skin contact

Wash with plenty of soap and water. Get medical advice/attention.

In case of eye contact

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

If swallowed

Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed**Symptoms/injuries after inhalation**

No information available.

Symptoms/injuries after skin contact

May cause skin irritation.

Symptoms/injuries after eye contact

May cause eye irritation.

Symptoms/injuries after ingestion

No information available.

Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media

None known.

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Special hazards arising from the substance or mixture**Fire hazard**

Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Advice for firefighters**Firefighting instructions**

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Protective equipment

Wear protective equipment as described in Section 8.

Emergency procedures

Evacuate unnecessary personnel.

For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment.
Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

For containment

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

Reference to other sections

See section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**Precautions for safe handling**

Precautions for safe handling

Avoid all eye and skin contact and do not breathe vapor and mist.

Hygiene measures

Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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Conditions for safe storage, including any incompatibilities

Storage conditions Keep container tightly closed. Product may build pressure on prolonged storage. Vent carefully with appropriate grounding.

Incompatible materials Alkalis. Metal salts. Oxidizing agent. Precious metals.

Storage area Store in a well-ventilated place. Store away from heat.

Specific end use(s)

No data available

SECTION 8: Exposure Controls/Personal Protection**Control parameters**

No additional information available

Exposure controls**Appropriate engineering controls**

Provide local exhaust or general room ventilation.

Personal protective equipment

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection

Neoprene or nitrile rubber gloves

Eye protection

Safety glasses. Contact lenses should not be worn

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and Chemical Properties**Information on basic physical and chemical properties**

Appearance Form: clear liquid

Color no data available

Odor no data available

Odor Threshold no data available

Refractive index 1.463

pH no data available

Relative evaporation rate (butyl acetate=1) no data available

Melting point < -60 °C

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Freezing point	no data available
Boiling point	> 205 °C
Flash point:	> 110 °C
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapor pressure:	no data available
Relative vapor density at 20 °C	no data available
Relative density	1.01
% Volatiles	< 3 %
Solubility	Insoluble in water
Log Pow	no data available
Log Kow	no data available
Viscosity, kinematic	50 - 80 cSt
Viscosity, dynamic	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Explosive limits	no data available

Other information

no data available

SECTION 10: Stability And Reactivity**Reactivity**

no data available

Chemical stability

Stable in sealed containers stored under a dry inert atmosphere.

Possibility of hazardous reactions

The product can generate small amounts of hydrogen when exposed to alkalis and protic materials such as water and alcohol in combination with metal salts such as aluminum chloride or precious metals such as platinum.

Conditions to avoid

Heat. Open flame. Sparks

Incompatible materials

Alkalis. Metal salts. Oxidizing agent. Precious metals.

Hazardous decomposition products

Hydrogen. Organic acid vapors. Silicon dioxide.

SECTION 11: Toxicological Information

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Information on toxicological effects

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Symptoms/effects after inhalation	No information available.
Symptoms/effects after skin contact	May cause skin irritation.
Symptoms/effects after eye contact	May cause eye irritation.
Symptoms/effects after ingestion	No information available.

SECTION 12: Ecological Effects

Toxicity

Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information available

Results of PBT and vPvB assessment

No additional information available

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Waste treatment methods

Sewage disposal recommendations:

Do not dispose of waste into sewer.

Product/Packaging disposal recommendations:

Incinerate. Dispose in a safe manner in accordance with local/national regulations.

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Ecology - waste materials:
Avoid release to the environment.

SECTION 14: Transport Information

UN number

In accordance with ADR / RID / IMDG / IATA / ADN

UN-No. (ADR)	Not applicable
UN-No. (IMDG)	Not applicable
UN-No. (IATA)	Not applicable
UN-No. (ADN)	Not applicable
UN-No. (RID)	Not applicable

UN proper shipping name

Proper Shipping Name (ADR)	Not applicable
Proper Shipping Name (IMDG)	Not applicable
Proper Shipping Name (IATA)	Not applicable
Proper Shipping Name (ADN)	Not applicable
Proper Shipping Name (RID)	Not applicable

Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	Not applicable
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IMDG

Transport hazard class(es) (IMDG)	Not applicable
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IATA

Transport hazard class(es) (IATA)	Not applicable
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ADN

Transport hazard class(es) (ADN)	Not applicable
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RID

Transport hazard class(es) (RID)	Not applicable
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Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

Special precautions for user

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Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15:Regulatory Information

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

EU-Regulations

No REACH Annex XVII restrictions

POLYPHENYL-(DIMETHYLHYDROSILOXY)SILOXANE, HYDRIDE TERMINATED is not on the REACH Candidate List

POLYPHENYL-(DIMETHYLHYDROSILOXY)SILOXANE, HYDRIDE TERMINATED is not on the REACH Annex XIV List

POLYPHENYL-(DIMETHYLHYDROSILOXY)SILOXANE, HYDRIDE TERMINATED is not subject to REGULATION (EU) No 649/2012 OF THE

EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

POLYPHENYL-(DIMETHYLHYDROSILOXY)SILOXANE, HYDRIDE TERMINATED is not subject to Regulation (EC) No 850/2004 of the European

Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

% Volatiles: < 3 %

National regulations

Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

The substance is not listed

SZW-lijst van mutagene stoffen

The substance is not listed

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

The substance is not listed

Chemical safety assessment

No additional information available

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.