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

Product Name: SiSiB® OF1300-M4000

Chemical Name: Hydroxy alkyl polydimethylsiloxane

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**

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

Label elements

Not applicable

Other hazards

D4/D5/D6 fulfills the screening criteria for PBT and vPvB substances. However, D4/D5/D6 does not behave like known PBT/vPvB substances. Field trials permit the scientific conclusion that D4/D5/D6 does not accumulate in the aquatic or terrestrial food chain.

SECTION 3: Composition/information on ingredients**Chemical name:**

Hydroxy alkyl polydimethylsiloxane

Substances**General information:**

Contained in the candidate list of Substances of Very High Concern (SVHC) according to REACH

Chemical name	Concentration	CAS-No.	EC No.
Dodecamethylcyclohexasiloxane	>=0.1 - <1%	540-97-6	208-762-8

This substance is listed as SVHC

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First aid measures**General**

Remove soiled or soaked clothing immediately

Description of first aid measures**Inhalation**

Ensure supply of fresh air. In the event of symptoms seek medical advice.

Skin contact

In case of contact with skin wash off with soap and water. In the event of symptoms seek medical advice.

Eye contact

In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek medical advice.

Ingestion

Thoroughly clean the mouth with water. In the event of symptoms seek medical advice.

Most important symptoms and effects, both acute and delayed

No special hints.

Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Treat symptomatically.

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

foam, carbon dioxide, dry powder, water spray

Unsuitable extinguishing media

full water jet

Special hazards arising from the substance or mixture

In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide

Advice for firefighters**Special fire fighting procedures:**

No specific precautions.

Special protective equipment for fire-fighters:

Do not inhale explosion and/or combustion gases Self-contained breathing apparatus.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

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For non-emergency personnel:

No data available.

For emergency responders:

No data available.

Environmental precautions

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

Methods and materials for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations.

Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

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

Avoid contact with skin and eyes. Do not inhale gases/vapors/aerosols. No special measures necessary if stored and handled as prescribed.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Specific end use(s)

no data available

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

None of the components have assigned exposure limits.

DNEL/DMEL values

Remarks: No DNEL/DMEL values on file.

PNEC values

Remarks: No PNEC values on file.

Exposure controls**Appropriate Engineering Controls:**

No data available.

Individual protection measures, such as personal protective equipment**Eye/face protection:**

This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.

Hand Protection:

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Material: gloves made of nitril (NBR)

Break-through time: 480 min

Glove thickness: 0.2 mm

Skin and Body Protection:

protective clothing

Respiratory Protection:

in case of formation of vapors/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures:

Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

Environmental Controls:

The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Color	brownish
Odor	specific to the product
Odor Threshold	no data available
pH	no data available
Freezing point	Not applicable
Boiling Point	Not applicable
Flash Point	178 °C (DIN EN ISO 2719)
Evaporation Rate	not measured
Flammability (solid, gas)	no data available
Flammability Limit - Upper (%)	not measured
Flammability Limit - Lower (%)	not measured
Vapor pressure	not measured
Vapor density (air=1)	not measured
Density	0.974 g/cm ³ (25 °C) (DIN 51757)
Relative density	No data available.
Solubility(ies)	
Solubility in Water	(25 °C) Insoluble
Solubility (other)	not measured
Partition coefficient (n-octanol/water)	not measured
Self-Ignition Temperature	not measured
Decomposition Temperature	not measured
Kinematic viscosity	not measured

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Dynamic viscosity ~100 mPa.s (25 °C, DIN 53015 (Höppler))

Other information

Explosive properties	not measured
Oxidizing properties	not oxidizing
Minimum ignition temperature	not measured
Metal Corrosion	Not corrosive to metals

SECTION 10: Stability And Reactivity**Reactivity**

see section "Possibility of hazardous reactions"

Chemical stability

The product is stable under normal conditions.

Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

Conditions to avoid

None with proper storage and handling.

Incompatible materials

Unknown

Hazardous decomposition products

None with proper storage and handling.

SECTION 11: Toxicological Information**Information on likely routes of exposure****Inhalation:**

If handled correctly, not a relevant route of exposure. Information on effects are given below.

Skin Contact:

Relevant route of exposure. Information on effects are given below.

Eye contact:

Relevant route of exposure. Information on effects are given below.

Ingestion:

If handled correctly, not a relevant route of exposure. Information on effects are given below.

Information on toxicological effects**Acute toxicity****Oral****Product:** LD 50: > 2,000 mg/kg (OECD 423)**Components:**

Dodecamethylcyclohexasiloxane

No data available.

Dermal

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Inhalation

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Repeated dose toxicity

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Skin Corrosion/Irritation:

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available

Serious Eye Damage/Eye Irritation:

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

Not irritating

Respiratory or Skin Sensitization:

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Germ Cell Mutagenicity**In vitro**

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

In vivo

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Carcinogenicity

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Reproductive toxicity

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Dodecamethylcyclohexasiloxane

No data available.

Aspiration Hazard

Product: Not classified

Components:

Dodecamethylcyclohexasiloxane

No data available.

Other adverse effects:

Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

By analogy with a product of similar composition

SECTION 12: Ecological Effects**Toxicity****Acute toxicity****Fish**

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

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Aquatic Invertebrates

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

Toxicity to microorganisms

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

Chronic Toxicity

Fish

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

Aquatic Invertebrates

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components

Dodecamethylcyclohexasiloxane

No data available.

Persistence and Degradability

Biodegradation

Product:

No data available.

BOD/COD Ratio

Product

No data available.

Components

Dodecamethylcyclohexasiloxane

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No data available.

Bioaccumulative potential**Product:**

No data available.

Mobility in soil:

No data available.

Results of PBT and vPvB assessment:

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

Dodecamethylcyclohexasiloxane

vPvB substance PBT substance

Other adverse effects:

The product is classified as extremely hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV). Do not allow to enter soil, waterways or waste water canal. Ecological data are not available

SECTION 13: Disposal considerations**Waste treatment methods****General information:**

No data available.

Disposal methods:

In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging:

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport Information**Not dangerous according to transport regulations.**

- | | |
|------------------------------------|----|
| 14.1. UN number: | -- |
| 14.2. UN proper shipping name: | -- |
| 14.3. Transport hazard class(es): | -- |
| 14.4. Packing group: | -- |
| 14.5. Environmental hazards: | -- |
| 14.6 Special precautions for user: | No |

SECTION 15: Regulatory Information

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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances,
Annex I: Not applicable

Chemical Safety Assessment

A substance safety assessment was carried out 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.