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

### Product Identifier

Product Name: SiSiB® MB2050

### 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

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

#### Label elements:

Pictogram No hazard pictogram is used.  
Signal word No signal word is used.  
Hazard statement(s) Not applicable.  
Precautionary statement(s): Not applicable.

#### Other hazards

Not applicable.

## SECTION 3: Composition/information on ingredients

**Substances/Mixture:** Mixture

#### Ingredient(s):

Chemical Name	CAS No.	EC No.	Concentration	classifications
Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	<=0.1%	Repr.2;Aquatic Chronic 4 H361 H413
Decamethylcyclopentasiloxane(D5)	541-02-6	208-764-9	<=0.20%	Not Classified

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Dodecamethylcyclohexasiloxane(D6)	540-97-6	208-762-8	<=0.15%	Not Classified
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The above substances are included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH).

For the full text of H-statements mentioned in this Section, see Section 16.

#### SECTION 4: First aid measures

**Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**

The product is not classified as harmful to human health effect.

**Indication of any immediate medical attention and special treatment needed**

If skin irritation or rash occurs, get medical advice/attention.

#### SECTION 5: Firefighting measures

**Extinguishing media****Suitable extinguishing media**

Use extinguishing agents appropriate for surrounding.

**Unsuitable extinguishing media**

Not available.

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

Hazardous decomposition products may be released: carbon oxides.

**Advice for firefighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

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**For non-emergency personnel:**

Provide adequate ventilation. Refer to section 8 of SDS for personal protection details.

**For emergency responders:**

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

**Environmental precautions:**

Do not allow material to be released to the environment without proper governmental permits.

**Methods for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

**Precautions for safe handling**

**Protective measures:**

Provide adequate ventilation. Normal measures for preventive fire protection.

**Advice on general occupational hygiene:**

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a cool, dry and well-ventilated place.

**Specific end use(s)**

no data available

## SECTION 8: Exposure Controls/Personal Protection

**Control parameters**

**Components with workplace control parameters**

**Occupational exposure limits:**

Not available.

**Additional exposure limits under the conditions of use:**

Not available.

**DNEL/DMEL and PNEC-Values:**

Not available.

**Exposure controls**

**Appropriate engineering controls**

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure

to airborne contaminants below any recommended or statutory limits.

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

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hand protection:**

Handle with gloves.

**Body Protection**

Wear protective clothing.

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Thermal hazards**

Wear suitable protective clothing to prevent heat.

**Environmental exposure controls:**

Avoid discharge into the environment.

According to local regulations, Federal and official regulations.

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

Appearance	Thermoplastic pellet
Color	White-white off
Odor	no
Odor Threshold	no data available
pH	no data available
Melting point/range	86 °C
Boiling point/range	no
Flash point:	no
Evaporation rate	no data available
Flammability limit - lower (%)	no data available
Flammability (solid, gas)	no data available
Ignition temperature (°C)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure (38°C)	no data available
Vapor density:	no data available
Density	0.99×10 <sup>6</sup> g/m <sup>3</sup>
Bulk density (kg/m <sup>3</sup> )	no data available

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Water solubility (g/l)	no data available
n-octanol/water (log Po/w)	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity, dynamic (mPa.s)	no data available
Explosive properties	no
Oxidizing properties	no
Molecular Formula	no data available
Molecular Weight	no data available

### Other safety information

Fat solubility(solvent– oil to be specified)	no data available
Surface tension	no data available
Dissociation constant in water (pKa)	no data available
Particle size distribution	3~6mm
Specific gravity	no data available

## SECTION 10: Stability And Reactivity

### Reactivity

The substance is stable under normal storage and handling conditions.

### Chemical stability

Stable at room temperature in closed containers under normal storage and handling conditions.

### Possibility of hazardous reactions

No dangerous reactions known.

### Conditions to avoid

Incompatible materials

### Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

Carbon oxides

## SECTION 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Octamethylcyclotetrasiloxane (CAS#556-67-2)

Decamethylcyclopentasiloxane(CAS#541-02-6)

Dodecamethylcyclohexasiloxane(CAS#540-97-6)

LD50(Oral, Rat): > 4 800 mg/kg bw(male)

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LD50(Dermal, Rat): >2500 ml/kg  
LC50(Inhalation, Rat): 36 mg/L air 4h

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity****Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**SECTION 12: Ecological Effects****Toxicity**

Not available.

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Results of PBT and vPvB assessment**

Octamethylcyclotetrasiloxane (CAS#556-67-2)

Decamethylcyclopentasiloxane(CAS#541-02-6)

Dodecamethylcyclohexasiloxane(CAS#540-97-6)

The above substances are identified as PBT&amp;vPvB.

**Other adverse effects**

no data available

**SECTION 13: Disposal considerations**

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## Waste treatment methods

The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

## SECTION 14:Transport Information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2	See section 2	See section 2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not regulated	Not regulated

## SECTION 15:Regulatory Information

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

**Relevant information regarding authorization:**

Not applicable

**Relevant information regarding restriction:**

Not applicable

**Other EU regulations:**

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

**Chemical Safety Assessment has been carried out?**

No

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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.