

Version 7.1W	Page 1 / 7	Revision Date 19.04.2024
--------------	------------	--------------------------

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

Product Identifier

Product Name: SiSiB® MB1049

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/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:

Hazard Pictograms: No hazard pictogram is used.

Signal Word(S): No signal word is used.

Hazard Statement: Not applicable.

Precautionary statement: Not applicable.

Other hazards: Not available.

SECTION 3: Composition/information on ingredients

Substance/Mixture: Mixture

Hazardous ingredients:

Chemical Name	CAS No.	EC No.	Concentration	Classifications
Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	<0.1%	Repr.2; Aquatic Chronic
Decamethylcyclopentasiloxane(D5)	541-02-6	208-764-9	<=0.20%	Not Classified
Dodecamethylcyclohexasiloxane(D6)	540-97-6	208-762-8	<=0.15%	Not Classified

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.

In case of inhalation:

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 eyes contact:

Flush eyes with water as a precaution

In case of ingestion:

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:

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.

Version 7.1W

Page 3 / 7

Revision Date 19.04.2024

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):

Not applicable.

SECTION 8: Exposure Controls/Personal Protection

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).

Version 7.1W	Page 4 / 7	Revision Date 19.04.2024
--------------	------------	--------------------------

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	Not available
pH	Not available
Melting point/range (°C):	109°C
Boiling point/range (°C):	No
Flash point (°C):	No
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits	Not available
Vapour pressure (38°C):	Not available
Vapour density:	Not available
Density:	0.91×10 ⁶ g/m ³
Bulk density (kg/m ³):	Not available
Water solubility (g/l):	Not available
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available

Version 7.1W	Page 5 / 7	Revision Date 19.04.2024
--------------	------------	--------------------------

Explosive properties:	No
Oxidising properties:	No
Molecular Formula:	Not available
Molecular Weight:	Not available
Other information:	
Fat solubility (solvent– oil to be specified)	
etc:	Not available
Surface tension:	Not available
Dissociation constant in water (pKa):	Not available
Particle size distribution:	3~6mm
Specific gravity:	Not 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)

LD50(Dermal, Rat): >2500 ml/kg

LC50(Inhalation, Rat): 36 mg/L air 4h

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Version 7.1W	Page 6 / 7	Revision Date 19.04.2024
--------------	------------	--------------------------

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

SECTION 12: Ecological Effects

Toxicity:	Not available
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	
	Octamethylcyclotetrasiloxane (CAS#556-67-2)
	Decamethylcyclopentasiloxane(CAS#541-02-6)
	Dodecamethylcyclohexasiloxane(CAS#540-97-6)
	The above substances are identified as PBT&vPvB.
Other adverse effects:	Not available.

SECTION 13: Disposal considerations

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

Version 7.1W	Page 7 / 7	Revision Date 19.04.2024
--------------	------------	--------------------------

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.

Other National regulations:

Not applicable

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.