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

Product Identifier

Product Name: SiSiB® SiM4112

Chemical Name: Silicone Masterbatch

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[EU-GHS/CLP]

Hazard classes/Hazard categories: N/A

Hazard codes: 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

None

SECTION 3: Composition/information on ingredients

Substance/Mixture Mixture

Hazardous ingredients:

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classifications
Polydimethylsiloxane	N/A	9016-00-6	N/A	50%	Not Classified
Polyethylene	N/A	9002-88-4	N/A	50%	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.

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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.

Environmental Precautions

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

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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).

Hand protection

Handle with gloves.

Body protection

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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
Colour	White-white off
Odour	No
Odour 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	0.91×106 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
Explosive properties	No
Oxidising properties	No
Molecular Formula	Not available
Molecular Weight	Not available

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Other information:

Fat solubility etc	Not available (solvent-oil to be specified)
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

Respiratory or skin sensitization Not classified

Germ cell mutagenicity Not classified

Carcinogenicity Not classified

Reproductive toxicity Not classified

STOT- single exposure Not classified

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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

Chemical Safety Assessment has been carried out?

No

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.