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

Product Identifier

Product Name: SiSiB® SR8220

Chemical Name: Silicone Resin

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

2.1 Classification of the Substance

GHS Classification (GB 13690-2009):

Hazard Class/Category: Not classified.

Hazard Statements: H332 Harmful if inhaled.

EU Classification (67/548/EEC):

Risk Phrases: R20/21 Harmful by inhalation and in contact with skin.

2.1.2 Main Hazard information:

2.1.2.1 Physical Hazards:

Not applicable.

2.1.2.2 Health Hazards:

Inhalation may cause harm.

2.1.2.3 Environmental Hazards:

Not applicable.

2.2 Label Elements

Pictogram:

None

Signal Word:

Danger

Hazard Statements:

H332: Harmful if inhaled.

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapors/spray.

P264: Wash hands thoroughly after handling.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required.

P301 + P310: IF SWALLOWED: Immediately call a poison center or doctor.

Response to Accidents:

Not applicable.

Safe Storage:

Store at room temperature.

Waste Disposal:

Not applicable.

SECTION 3: Composition/information on ingredients

Substances

Mixture

Component

| Chemical Name | CAS No. | EC No. | Concentration | Classification (EU CLP 1272/2008) |
|------------------------------|---------|--------|---------------|-----------------------------------|
| Methyl Phenyl Silicone Resin | N/A | N/A | N/A | N/A |

SECTION 4: First aid measures

4.1 General Measures:

Seek medical attention if any symptoms persist or are suspected.

4.1.1 Inhalation:

Move to fresh air immediately. Administer oxygen if breathing is difficult. Seek immediate medical attention if respiratory distress occurs.

4.1.2 Skin Contact:

Not applicable.

4.1.3 Eye Contact:

Not applicable.

4.1.4 Ingestion:

If swallowed, seek medical advice. Do NOT induce vomiting. Rinse mouth and drink 2-4 cups of milk or water if conscious and alert.

4.2 Major Symptoms and Effects (Acute/Delayed):

Harmful if inhaled.

4.3 Advice for First Responders and Physicians:

Consult a physician if skin irritation or rash occurs.

4.4 Medical Treatment and Special Instructions:

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SECTION 5: Firefighting measures

5.1 Suitable Extinguishing Media:

Non-combustible.

Unsuitable Extinguishing Media: Unknown.

5.2 Specific Hazards Arising from the Substance:

Not applicable.

5.3 Special Protective Equipment for Firefighters:

Not applicable.

SECTION 6: Accidental release measures

6.1 Personal Precautions and Protective Equipment:

Wear full-body protective clothing, gloves, and eye protection. Use NIOSH/MSHA-approved respirators if dust/fumes are generated.

6.2 Environmental Precautions:

Contain the spill immediately. Avoid release into drains or water systems. Prevent contamination of surface/groundwater.

6.3 Methods for Containment and Cleanup:

Collect spilled material without generating dust. Store in sealed containers. Clean affected area thoroughly.

6.4 Precautions to Prevent Secondary Hazards:

Use wet cleaning or vacuum for solids. Do NOT use brushes or compressed air for cleanup.

SECTION 7: Handling and storage

7.1 Handling:

7.1.1 Safe Handling Precautions:

Follow occupational health and safety protocols. Avoid inhalation and eye contact. Leave the area if exposed to high dust concentrations. Launder work clothing separately after use. Empty containers may retain residue—handle with caution.

7.1.2 Prevention of Direct Contact:

Do not eat, drink, or smoke in work areas. Wash hands after handling. Remove contaminated clothing before entering food zones.

7.2 Storage:

Store in a cool, dry place. Keep containers tightly closed when not in use.

SECTION 8: Exposure Controls/Personal Protection

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8.1 Exposure Limits:

Occupational Exposure Limits (OELs): Unknown.

8.2 Engineering Controls:

Unknown.

8.3 Personal Protective Equipment (PPE):

Eye Protection:

Safety goggles or face shield.

Hand Protection:

Chemical-resistant gloves.

Skin/Body Protection:

Protective clothing to prevent skin contact.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|-------------------|
| Appearance | White powder |
| Form | Irregular powder |
| Color | White |
| Odor | Odorless |
| pH | Not determined |
| Melting point/freezing point | no data available |
| Initial boiling point and boiling range | no data available |
| Flash point: | - |
| Explosive Limits (Lower Explosive Limit, LEL; Upper Explosive Limit, UEL) | no data available |
| Vapor Pressure | no data available |
| Vapor Density | no data available |
| Density/Relative Density | no data available |
| Solubility | no data available |
| n-Octanol/Water Partition Coefficient | no data available |
| Autoignition Temperature | no data available |
| Decomposition Temperature | no data available |
| Viscosity at 25°C (seconds, T-4 Cup) | no data available |
| Solid Content (%) | >98% |

9.2 Additional Information

| | |
|----------------------------|-----------------|
| Odor Threshold: | Unknown |
| Evaporation Rate: | Unknown |
| Flammability (solid, gas): | non-combustible |
| Radioactivity: | Unknown |

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Bulk Density:

Unknown

SECTION 10: Stability And Reactivity

10.1 Stability:

Stable under normal storage and handling conditions.

10.2 Hazardous Reactions:

No hazardous reactions under normal conditions.

10.3 Conditions to Avoid:

Unknown.

10.4 Incompatible Materials:

Unknown.

10.6 Hazardous Decomposition Products:

Unknown.

SECTION 11: Toxicological Information

Toxicokinetic, Metabolism and Distribution:

| | |
|-------------------------------|---------------|
| Non-human toxicokinetic data: | Not available |
| Method: | Not available |
| Dose: | Not available |
| Route of Absorption: | Not available |
| Result: | Not available |
| Absorption: | Not available |
| Distribution: | Not available |
| Metabolism: | Not available |
| Excretion: | Not available |

Acute toxicity

| | |
|---|----------------|
| LD50 (Oral, Mouse): | Not available |
| LD50 (Dermal, Rabbit): | Not available |
| LC50 (Ingestion, Mouse): | Not available |
| Skin irritation/corrosion: | Not available |
| Eye irritation/corrosion: | Not classified |
| Respiratory or skin sensitization: | Not available |
| Germ cell mutagenicity: | Not classified |
| Carcinogenicity: | Not classified |
| Reproductive toxicity: | Not classified |
| Specific target organ systemic toxicity | |

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— Single exposure: Not classified
 Specific target organ systemic toxicity
 — Repeated exposure: Not classified
 Aspiration hazard: Not classified

SECTION 12: Ecological Effects

Ecotoxicity:

| Test | Duration | Species | Method | Result |
|----------------|----------|---------|----------|--------|
| LC50 (Fish) | 96h | Fish | OECD 203 | N/A |
| EC50 (Daphnia) | 48h | Daphnia | OECD 202 | N/A |
| EC50 (Algae) | 96h | Algae | OECD 201 | N/A |

Persistence/Degradability:

Unknown

Bioaccumulation:

Unknown

Mobility in Soil:

Unknown

SECTION 13: Disposal considerations

13.1 Waste Residue Disposal:

Dispose of residues in compliance with national/local regulations.

13.2 Contaminated Packaging Disposal:

Follow label instructions for empty containers. Recycle or dispose per local regulations.

SECTION 14: Transport Information

| Transportation Mode | Road (ADR/RID) | Sea (IMDG) | Air (ICAO/IATA) |
|--------------------------|-----------------|-----------------|-----------------|
| UN Number | / | / | / |
| Proper Shipping Name | / | / | / |
| Hazard Class | / | / | / |
| Packing Group | / | / | / |
| Marine Pollutant | No | No | - |
| User special precautions | See section 2.2 | See section 2.2 | See section 2.2 |

SECTION 15: Regulatory Information

15.1 International Regulations

| | |
|-------------|-----|
| EU (EINECS) | Yes |
|-------------|-----|

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| | |
|--------------------|-----|
| USA (TSCA) | Yes |
| Canada (DSL) | Yes |
| Japan (METI) | Yes |
| Australia (AICS) | Yes |
| New Zealand (HSNO) | Yes |
| Korea (KECL) | Yes |
| China (IECSC) | Yes |

15.2 Downstream User Obligations:

Dispose of product and containers per applicable regulations.

SECTION 16: Other Information

16.1 Revision Notes:

16.2 Full R-Phrases:

R20/21: Harmful by inhalation and in contact with skin.

16.3 Training Advice:

Not applicable.

16.4 Disclaimer:

This SDS is based on the best available information. The user assumes all risks associated with misuse.

16.5 Reader Notice:

This SDS does not guarantee product suitability. Users must independently verify information for specific applications.

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.