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

Product Identifier

Product Name: SiSiB® PF8250

Chemical name of the substance: Poly(dimethylsiloxane)copolymer

CASRN: 63148-52-7

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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

Labelling according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards

None

SECTION 3: Composition/information on ingredients

Substances

This product is a substance.

Substance name: Poly(dimethylsiloxane)copolymer

CASRN: 63148-52-7

EC-No.: Polymer

No hazardous ingredients

SECTION 4: First aid measures

Description of first aid measures

General advice

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

If inhaled

Move person to fresh air; if effects occur, consult a physician.

In case of skin contact

Wash off with plenty of water.

In case of eye contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

If swallowed

No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray, Alcohol-resistant foam, Carbon dioxide (CO2), Dry chemical

Unsuitable extinguishing media

None known.

Special hazards arising from the substance or mixture

Hazardous combustion products:	Carbon oxides, Silicon oxides
Unusual Fire and Explosion Hazards:	Exposure to combustion products may be a hazard to health.

Advice for firefighters

Fire Fighting Procedures:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:
Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
Reference to other sections
See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

Precautions for safe handling:
Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.
Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Conditions for safe storage, including any incompatibilities:
Keep in properly labelled containers. Store in accordance with the particular national regulations.
Do not store with the following product types: Strong oxidizing agents.
Unsuitable materials for containers: None known.
Storage class according to TRGS 510: Combustible liquids
Specific end use(s)
See the technical data sheet on this product for further information.

SECTION 8: Exposure Controls/Personal Protection

Control parameters
If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.
Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use safety glasses (with side shields). Safety glasses (with side shields) should be consistent with EN 166 or equivalent.

Skin protection

Hand protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Other protection: No precautions other than clean body-covering clothing should be needed.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator.

Use the following CE approved air-purifying respirator: Organic vapor cartridge with a particulate pre-filter, type AP2 (meeting standard EN 14387).

Environmental exposure controls

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	liquid
Color	colourless
Odor	none
Odor Threshold	no data available
pH	no data available
Melting point/range	no data available
Freezing point	no data available
Boiling point (760 mmHg)	> 35 °C
Flash point:	**closed cup** > 300 °C
Evaporation rate (Butyl Acetate = 1)	no data available
Flammability (solid, gas)	Not applicable
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure:	no data available

Relative Vapor Density (air = 1)	no data available
Relative Density (water = 1)	0.988
Water solubility:	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Dynamic Viscosity	no data available
Kinematic Viscosity	~40 cSt at 25 °C
Explosive properties	not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Molecular weight	no data available
Particle size	no data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: Stability And Reactivity

Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required.

Conditions to avoid

None known.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Decomposition products can include and are not limited to: Formaldehyde. Benzene.

SECTION 11:Toxicological Information

Information on toxicological effects

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: LD50, Rat, > 20 000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Acute inhalation toxicity

No adverse effects are anticipated from single exposure to vapor.

As product: The LC50 has not been determined.

Skin corrosion/irritation

Essentially nonirritating to skin.

Serious eye damage/eye irritation

Essentially nonirritating to eyes.

Sensitization

For this family of materials:

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No specific, relevant data available for assessment.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

For similar material(s):

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenicity

No relevant data found.

Teratogenicity

Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity

For similar material(s): In animal studies, did not interfere with reproduction.

Mutagenicity

No specific, relevant data available for assessment.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

SECTION 12: Ecological Effects

Toxicity

Acute toxicity to fish

Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

For similar material(s):LC50, Fish, 96 Hour, > 100 mg/l

For this family of materials:LC50, Cyprinus carpio (Carp), 96 Hour, > 1 000 mg/l

For this family of materials:LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 1 000 mg/l

Acute toxicity to aquatic invertebrates

For similar material(s):EC50, Daphnia magna (Water flea), 48 Hour, > 100 mg/l

Acute toxicity to algae/aquatic plants

For similar material(s):EC50, algae, 14 d, > 2 000 mg/l

Toxicity to Above Ground Organisms

Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

Based on information for a similar material:oral LD50, Colinus virginianus (Bobwhite quail), > 5 000 mg/kg

Persistence and degradability

Biodegradability: For similar material(s): The product is not biodegradable.

Bioaccumulative potential

Bioaccumulation: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).

Mobility in soil

Expected to be relatively immobile in soil (Koc > 5000).

Results of PBT and vPvB assessment

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Other adverse effects

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

SECTION 13:Disposal considerations

Waste treatment methods

Do not dump into any sewers, on the ground, or into any body of water. This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required.

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

SECTION 14:Transport Information

Classification for ROAD and Rail transport (ADR/RID)

UN number	Not applicable
UN proper shipping name	Not regulated for transport
Transport hazard class(es)	Not applicable
Packing group	Not applicable
Environmental hazards	Not considered environmentally hazardous based on available data.
Special precautions for user	No data available.

Classification for SEA transport (IMO-IMDG):

UN number	Not applicable
UN proper shipping name	Not regulated for transport
Transport hazard class(es)	Not applicable
Packing group	Not applicable
Environmental hazards	Not considered as marine pollutant based on available data.
Special precautions for user	No data available.

Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code

Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

UN number	Not applicable
UN proper shipping name	Not regulated for transport
Transport hazard class(es)	Not applicable
Packing group	Not applicable
Environmental hazards	Not applicable
Special precautions for user	No data available.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15:Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
REACh Regulation (EC) No 1907/2006

Polymers are exempted from registration under REACH. All relevant starting materials and additives have been either pre-registered, registered, or are exempt from registration to Regulation (EC) No. 1907/2006 (REACH).,The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer´s/user´s responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Listed in Regulation: Not applicable

Wassergefährdungsklasse (Deutschland)

WGK 1: slightly hazardous to water

Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

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.