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

Product Identifier

Product Name: SiSiB® DF1055

Chemical Name: Silicone Antifoam

Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified: For industrial use
Intermediate chemical

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

Hazard classification

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

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

Label elements

Hazard pictograms: No Symbol

Signal Word: None

Hazard statements: None

Precautionary statements: None

SECTION 3: Composition/information on ingredients

Substance / Mixture: Mixture

Chemical nature: Silicone Emulsion Defoamer

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

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

In Case of Skin Contact

Wash with water and soap as a precaution. Get medical attention if symptoms occur.

In Case of Eye Contact

Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

If Swallowed

If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see Section 2.2) and Section 11.

SECTION 5: Firefighting measures

Suitable extinguishing media:

Water spray Alcohol-resistant foam Carbon dioxide (CO_2)

Unsuitable extinguishing media:

None known

Specific hazards during fire-fighting:

Exposure to combustion products may be a hazard to health. Applying foam will release significant amounts of hydrogen gas that can be trapped under the foam blanket.

Hazardous combustion products:

Carbon Oxide Silicon Dioxide

Specific extinguishing methods:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray to cool unopened containers.

Do not allow extinguishing medium to contact container con-tents. Most fire extinguishing media will cause hydrogen evolution, and once the fire is put out, may accumulate in poorly ventilated or confined areas and result in flash fire or explosion if ignited.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. 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

Use personal protective equipment. Use personal protective equipment. Avoid contact with skin, eyes, clothing, and breathing vapors. Ensure adequate ventilation. For personal protection see Section 8.

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. 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, Clean up remaining materials from spill with suitable absorbent.

Reference to other Sections

For contact information in case of emergency, see Section 1.

For information on safe handing, see Section7.

For exposure controls and personal protection measures, see Section8.

For subsequent waste disposal, follow the recommendations in Section 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.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a dry and cool place.

Temperature allowed during storage: 5 ºC/41 ºF and 40 ºC/104 ºF.

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.

Component	Regulation	Type of listing	Value/Notation

No data	No data	No data	No data

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.

Personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Hand protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Natural rubber ("latex"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Body protection

Wear clean, body-covering clothing.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control to environmental exposure

Avoid release to the environment.

Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

Appearance

Physical state	Liquid
Color	White or yellowish
Odor	Mild smell

Safety parameters

Property	Value
pH	6.0-8.0
Melting point/range	Greater than 32 ºF/0 ºC
Freezing point	Less than 32 ºF/0 ºC
Boiling point (760 mmHg)	No data available
Flash point	Greater than 212 ºF/100 ºC
Evaporation Rate (Butyl Acetate = 1)	No data available
Viscosity	No data available
Lower explosion limit (LEL)	No data available
Upper explosion limit (UEL)	No data available
Vapor pressure	No data available
Ignition temperature	No data available
Relative Density	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Explosive properties	No data available
Oxidizing properties	Not an oxidizer

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.
Conditions to avoid:	None known.
Incompatible materials:	Avoid strong acids, alkali and strong oxidizing compounds.
Hazardous decomposition products:	Carbon Oxides Silicon Dioxide.

In the event of fire see Section 5.

SECTION 11: Toxicological Information

Acute toxicity

Acute oral toxicity

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

As product: Single dose oral LD50 has not been determined.

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

Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material or mist may cause respiratory irritation.

As product: The LC50 has not been determined.

Skin corrosion/irritation

Brief contact is essentially nonirritating to skin.

Serious eye damage/eye irritation

May cause slight temporary eye irritation.

Corneal injury is unlikely.

May cause mild eye discomfort.

Skin and Respiratory Sensitization

For the major component(s):

No relevant data found.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

For this endpoint no toxicological test data is available for the whole product.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

For this endpoint no toxicological test data is available for the whole product.

Carcinogenicity

For this endpoint no toxicological test data is available for the whole product.

Teratogenicity

For the major component(s): Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity

For this endpoint no toxicological test data is available for the whole product.

Mutagenicity

For this endpoint no toxicological test data is available for the whole product.

Aspiration Hazard

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

SECTION 12: Ecological Effects

Toxicity

No relevant data found.

Persistence and degradability

No relevant data found.

Bio-accumulative potential

No relevant data found.

Mobility in soil

No relevant data found.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/conducted.

Other adverse effects

This product can be harmful to aquatic life. Do not rinse down drains or release into the environment. Report all significant spills and leaks to the proper authorities.

SECTION 13: Disposal considerations

Product disposal

Dispose product according to local and national regulations. Contact a licensed professional waste disposal service to dispose of this material. Dispose product according to local and national regulations.

Packaging disposal

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

SECTION 14: Transport Information

UNRTDG:	Not regulated for transport
IMDG-Code:	Not regulated for transport
IATA-DGR:	Not regulated for transport
Packaging method:	Bulk, non-returnable totes, drums, metal bucket with plastic liner, or IBC
Special requirements:	Handle with care and avoid exposure to rain

SECTION 15: Regulatory Information

National Standard of the People's Republic of China

Provisions of the Regulations for the Safe Handling of Chemical in the Workplace General Rule for Classification and Hazard Communication of Chemical (GB13690-2009).

California Proposition 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Other requirements in domestic and other countries

The components of this product are reported in the following inventories:

No data

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.