

SECTION 1: Identification of the substance/mixture and of the company**Product Identifier**

Product Name: SiSiB® TA-1390

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**Summary of hazard in an emergency situation**

Liquid. Mixes with water.

Classification Acute Aquatic Hazard Category 2.**Label elements**

GHS label elements Not Applicable.

Signal word Not Applicable.

Hazard statement(s):

H401 Toxic to aquatic life.

Precautionary statements:

P273 Avoid release to the environment.

Incident response Not Applicable.

Safe storage Not Applicable.

Waste disposal

P501 Dispose of contents/container in accordance with local regulations.

Physical and Chemical Hazard Liquid. Mixes with water.**Health Hazards:****Inhaled**

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Ingestion

Ingestion of the material may be damaging to the health of the individual.

Skin Contact

This material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or irritated skin should not be exposed to this material.

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Eye

This material can cause eye irritation and damage in some persons.

Environmental Hazards

See Section 12.

Other hazards

Cumulative effects may result following exposure.

SECTION 3: Composition/information on ingredients**Chemical Category**

Mixture.

Hazardous components

Chemical name	CAS -NO.	Concentration(% w/w)
Polysiloxanes, di-Me,3-hydroxypropyl Me, ethoxylated	68937-54-2	36.0-40.0
Alkyl alcohol polyethoxylate	68131-39-5	11.0-15.0
Water	7732-18-5	Until 100

SECTION 4: First aid measures**Description of first aid measures****In case of eye contact**

Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

In case of skin contact

Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

If swallowed

Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

If inhaled

Aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

Advice for rescue team

Wear portable respiratory protective devices if get into the scene of the accident.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

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Water spray or fog. Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility: Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may result.

Advice for firefighters

Fire Fighting

Alert Fire Brigade and tell them location and nature of hazard.

Wear full body protective clothing with breathing apparatus.

Prevent, by any means available, spillage from entering drains or water course.

Use water delivered as a fine spray to control fire and cool adjacent area.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire.

Fire/Explosion Hazard

Combustible.

Slight fire hazard when exposed to heat or flame.

Heating may cause expansion or decomposition leading to violent rupture of containers.

High temperature decomposition products include silicon dioxide, small amounts of formaldehyde, formic acid, acetic acid and traces of silicon polymers.

On combustion, may emit toxic fumes of carbon monoxide (CO).

May emit acrid smoke.

Mists containing combustible materials may be explosive.

Combustion products include: Carbon dioxide (CO₂). Other pyrolysis products typical of burning organic material. May emit poisonous fumes. May emit corrosive fumes.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Minor Spills	Clean up all spills immediately. Avoid contact with skin and eyes, by using protective equipment. Collect the leakage, place in a suitable, labeled container for waste disposal.
Major Spills	Alert Fire Brigade and tell them location and nature of hazard. Use protective equipment to avoid contact with skin and eyes. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Collect residues and seal in labeled drums for disposal. If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

Environmental precautions:

See section 12.

Measures for Preventing Secondary Contamination

Refer to section above.

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SECTION 7: Handling and storage

Precautions for safe handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.
- Avoid smoking, naked lights or ignition sources.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Suitable container	Metal can, plastic tank or drum. Packaging as recommended by manufacturer. Check all containers are clearly labeled and free from leaks.
Suitable container	Avoid reaction with oxidizing agents.

Other information

- Store in original containers.
- Keep containers securely sealed.
- No smoking, naked lights or ignition sources.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storage and handling recommendations contained within this SDS.

SECTION 8: Exposure Controls/Personal Protection

Occupational exposure limits (OEL)

Ingredient data

Not Available

Emergency limits

Ingredient	Original IDLH	Revised IDLH
Polysiloxanes, di-Me,3-hydroxypropyl Me, ethoxylated	Not Available	Not Available
Alkyl alcohol polyethoxylate	Not Available	Not Available

Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh

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circulating air required to effectively remove the contaminant. Process controls which involve changing the way a job activity or process is done to reduce the risk.

Personal protective equipment**Eye and face protection**

Use protective safety glasses with side shields. Chemical goggles.

Skin protection

Wear chemical protective gloves, e.g. PVC.

Wear safety footwear or safety gumboots, e.g. Rubber.

Body Protection

Overalls. P.V.C.apron. Eye wash unit.

Thermal hazards

Not Available.

SECTION 9: Physical and Chemical Properties**Information on basic physical and chemical properties**

Appearance	Milky white pulp
Odour	Slight odour
Odour threshold	No data available
pH as a solution (10%)	8.0~9.0
Melting point / freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (°C)	>93
Flammability	Not Applicable
Upper Explosive Limit (%)	No data available
Lower Explosive Limit (%)	No data available
Explosive properties	Not explosive
Vapour pressure (kPa)	No data available
Vapour density (Air=1)	No data available
Relative density (Water=1)	0.97-1.07
Solubility in water (g/L)	Miscible
Partition coefficient n-octanol / water	No data available
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
Critical temperature (°C)	No data available
Critical pressure (kPa)	No data available
Combustion heat	No data available
Evaporation rate	No data available
Viscosity (mPa·s)	2200-3500
VOC (g/L)	No data available

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SECTION 10: Stability And Reactivity

Reactivity	See section 7
Chemical stability	Product is considered stable Hazardous polymerization will not occur
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11: Toxicological Information

Acute oral toxicity LD50	>5000mg/kg (rat)
Acute dermal toxicity LD50	No data available
Acute inhalation toxicity LC50	No data available
Skin corrosion /irritation	No data available
Eye damage/ irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
STOT – single exposure	No data available
STOT - repeated exposure	No data available
Aspiration toxicity	No data available
Carcinogenicity assessment carcinogenicity	No data available

SECTION 12: Ecological Effects

Acute aquatic toxicity LC50	>1 but ≤10mg/L (OECD 203, 96h, Fish)
Acute aquatic toxicity EC50	>1 but ≤10mg/L (OECD 202, 48h, Daphnia)
Acute aquatic toxicity ErC50	>1 but ≤10mg/L (OECD 201, 72h, Algae)
Aquatic toxicity IC50	>100mg /L (OECD 209, 3h, Bacteria)
Chronic toxicity to fish	No data available
Chronic toxicity to aquatic invertebrates	No data available
Degradability	No data available
COD	No data available
BOD	No data available
Persistence	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

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SECTION 13: Disposal considerations

Waste chemicals	Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations. Recycle as much as possible, try to avoid and reduce waste. DO NOT discharge the waste into drains.
Contaminated packing materials	Packaging may contain residual chemicals, Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations. Recycle or reuse of cleaned materials should be in accordance with applicable Federal, State/Provincial and Local regulations.
Precautions for Transport	Attentions of operation, treatment and precautions of workers should be referred to the content of section 7 and section 8.

SECTION 14: Transport Information**Land transport (UN)**

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DG)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code/GGVSee)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport patterns

Sea transport railway transport road transport

Cautions during transport

Do not leak, avoid water

SECTION 15: Regulatory Information**Safety, health and environmental regulations / legislation specific for the substance or mixture**

Polysiloxanes, di-Me,3-hydroxypropyl Me, ethoxylated (68937-54-2)	China Inventory of Existing Chemical Substances
Alkyl alcohol polyethoxylate(68131-39-5)	China Inventory of Existing Chemical Substances
Water(7732-18-5)	China Inventory of Existing Chemical Substances

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

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guarantee for any specific product features and shall not establish a legally valid contractual relationship.