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

Product Name: SiSiB® FF9020-500  
Chemical Name: Methyl-terminated Fluorosilicone Fluid  
CAS-No.: 597543-32-3

**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****EMERGENCY OVERVIEW**

Appearance: Colorless or slightly yellow, transparent or translucent  
Form: Liquid  
Odor: Slight  
Warning! May cause eye irritation  
Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150°C (300F) .  
Target Organs: None know

**Potential Health Effects**

Eye: Causes severe eye irritation.  
Skin: None know.  
Inhalation: None know  
Chronic: This product of one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IRAC or OSHA.

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

| CAS         | Chemical Name                            | Appearance   | Viscosity<br>mPa.s | Low Volatile (200°C<br>×4hr),% < |
|-------------|--|--|--------------------|----------------------------------|
| 597543-32-3 | Methyl-terminated<br>Fluorosilicon Fluid | Colorless or slightly yellow,<br>transparent or translucent liquid | 500                | 5.0                              |

**SECTION 4: First aid measures****Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

**Skin:**

Wash off with soap and water. Get medical aid. Wash clothing before reuse.

**Ingestion:**

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

**SECTION 5: Firefighting measures****General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

**Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Flash Point:**

288°C; 550F

**Flammable Limits, lower:**

Not applicable

**Flammable Limits, upper:**

Not applicable

**SECTION 6: Accidental release measures****General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Provide ventilation.

**SECTION 7: Handling and storage****Precautions for safe handling:**

Do not pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Avoid prolonged or repeated skin contact with this material. Avoid breathing gas/vapors/mist/fumes. Do not handle or store near an open flame, heat or other sources of ignition. Do not take internally. Do not taste or swallow. Avoid contact with eyes. Wash thoroughly after handling. Handle and open container with care.

**Conditions for safe storage, including any incompatibilities:**

Keep away from heat and sources of ignition. Store in cool place. Store in a closed container away from incompatible materials. Use care in handling/storage.

**SECTION 8: Exposure Controls/Personal Protection****Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment**

**Eyes:** Wear chemical goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

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

|                            |  |
|----------------------------|--|
| Physical State:            | Liquid   |
| Appearance:                | Colorless or slightly yellow, transparent or translucent |
| Odor:                      | Slight   |
| PH:                        | Not available.   |
| Vapor Pressure:            | Negligible   |
| Vapor Density:             | Not available.   |
| Evaporation Rate:          | Not available.   |
| Viscosity (mPa.s) :        | 500  |
| Boiling Point:             | Not available.   |
| Freezing/Melting Point:    | Not available.   |
| Decomposition Temperature: | Not available.   |
| Solubility in water:       | Insoluble.   |
| Specific Gravity/Density:  | 1.26-1.30g/cm <sup>3</sup>                               |
| ACID/ Alkalinity(MEQ/G):   | <15ppm   |

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Low Volatile((200°C × 4hr),% &lt;: 5.0

**SECTION 10: Stability And Reactivity****Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Ignition sources, electrical sparks, exposure to flame, heat.

**Incompatibilities with Other Materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Hydrogen fluoride. Carbonyl fluoride

**Hazardous Polymerization:**

Will not occur.

**SECTION 11: Toxicological Information****Information on likely routes of exposure****Ingestion:**

Knowledge about health hazard is incomplete.

**Inhalation:**

Knowledge about health hazard is incomplete.

**Skin contact:**

Knowledge about health hazard is incomplete.

**Eye contact:**

Knowledge about health hazard is incomplete.

**Symptoms related to the physical, chemical and toxicological characteristics:**

Not available.

**Information on toxicological effects Acute toxicity:**

Not available.

**Skin corrosion/irritation:**

Knowledge about health hazard is incomplete.

**Serious eye damage/eye irritation:**

Knowledge about health hazard is incomplete.

**Respiratory sensitization:**

Knowledge about sensitization hazard is incomplete.

**Skin sensitization:**

Knowledge about sensitization hazard is incomplete.

**Germ cell mutagenicity:**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or

genotoxic. Knowledge about mutagenicity is incomplete.

**Carcinogenicity:**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product does not contain any carcinogens or potential carcinogens as listed by ACGIH and IARC. This product does not contain any carcinogens or potential carcinogens as listed by IARC. This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP. Knowledge about carcinogenicity is incomplete.

**Reproductive toxicity:**

Not classified. Knowledge about health hazard is incomplete.

**Specific target organ toxicity -single exposure:**

Knowledge about health hazard is incomplete.

**Specific target organ toxicity -repeated exposure:**

Knowledge about health hazard is incomplete.

Aspiration hazard Knowledge about health hazard is incomplete.

**Chronic effects**

Not expected to be hazardous by WHMIS criteria.

**Further information**

This product has no known adverse effect on human health

**SECTION 12: Ecological Effects****Ecotoxicity:**

This material is not expected to be harmful to aquatic life.

**Persistence and degradability:**

No data is available on the degradability of this product.

**Bioaccumulative potential:**

Not available.

**Mobility in soil:**

Not available.

**Other adverse effects:**

Not available.

**SECTION 13: Disposal considerations****Disposal instructions:**

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the

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user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations. When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste.

**Hazardous waste code:**

Not regulated.

**Waste from residues / unused products:**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Not applicable.

**Contaminated packaging:**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14: Transport Information**

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

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

This substance/mixture is not intended to be transported in bulk.

**SECTION 15: Regulatory Information****US federal regulations:**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

Not listed.

**SARA 304 Emergency release notification:**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories:**

- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No

Reactivity Hazard – No

**SARA 302 Extremely hazardous substance:** No

**SARA 311/312 Hazardous chemical:** No

**Other federal regulations**

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

Food and Drug Administration (FDA): Not regulated.

**US state regulations**

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

US. Massachusetts RTK - Substance List: Not regulated.

US. New Jersey Worker and Community Right-to-Know Act: Not regulated.

US. Pennsylvania RTK - Hazardous Substances: Not regulated.

US. Rhode Island RTK: Not regulated.

US. California Proposition 65: Not regulated.

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no) |
|-----------------------------|--|-----------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                   |
| Canada                      | Domestic Substances List (DSL)   | Yes                   |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                    |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                   |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                    |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                   |
| New Zealand                 | Zealand New Zealand Inventory  | Yes                   |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                   |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                   |

## 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.