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

Product Name: SiSiB® VP6180

**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**

Combustible liquid and vapor.

May cause respiratory tract irritation.

May cause eye irritation.

**POTENTIAL HEALTH EFFECTS**

Eye contact

May cause eye irritation.

Skin Contact

May cause skin irritation.

Inhalation

May cause respiratory tract irritation.

Ingestion

The hazards of this material have not been fully investigated; ingestion may be hazardous.

**Chronic Health Hazard**

This product can hydrolyze to form a material posing additional health effects:

Ethanol: ACGIH TLV: TWA 1000 ppm; OSHA PEL: TWA 1000 ppm. Liquid and high vapor concentrations cause eye irritation. Contact of liquid with skin causes drying, cracking, and irritation. Inhalation causes irritation of the respiratory tract. Repeated or prolonged exposure to high vapor concentrations may cause drowsiness. Excessive or repeated ingestion may cause central nervous system effects, liver effects and reproductive effects. However, ingestion is not an expected route of exposure. Ethanol has a low potential to cause allergic skin reactions; however, undocumented cases of human skin sensitization have been reported.

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

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**Chemical nature**

Polysiloxane, containing vinyl, propyl and ethoxy groups

**Other information**

This material is classified as hazardous under OSHA regulations.

**SECTION 4: First aid measures****Description of first aid measures****General advice**

Remove contaminated or saturated clothing immediately and dispose of safely.

**If inhaled**

If aerosol or mists are inhaled, take affected persons out into the fresh air. Possible discomforts include severe irritation of mucus lining (nose, throat, eyes), cough, sneezing and flow of tears. In case of persistent discomfort, obtain medical attention immediately.

**In case of skin contact**

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

**In case of eye contact**

In case of contact, immediately flush eyes with plenty of water, or if necessary, with eye rinsing solution. In case of persistent discomfort, consult an ophthalmologist.

**If swallowed**

If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

**Notes to physician**

After absorbing large amount of substance, apply therapy for irritative effects. If substance has been swallowed, early endoscopy is recommended in order to assess mucosa lesions in the esophagus and stomach which may appear. If necessary, suck away leftover substance. Allergic reactions cannot be excluded. Apply treatment of allergic reaction if necessary.

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

Use water spray or fog, foam, dry chemical or CO<sub>2</sub>.

**Special hazards arising from the substance or mixture**

Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

**Precautions for fire-fighters**

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or

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equivalent) and full protective gear.

In case of fire: wear a self contained respiratory apparatus.

**Further information**

Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Containers can build up pressure if exposed to heat (fire). Cool with water spray.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

**Environmental precautions**

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

**Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**SECTION 7: Handling and storage**

**Precautions for safe handling**

Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.

**Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture.

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

**Appropriate engineering controls**

Provide for good ventilation if vapors/aerosols are formed.

**Personal protective equipment**

**Respiratory protection**

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable

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federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

**Eye/face protection**

Use chemical splash goggles or face shield.

**Skin protection**

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

**Hand Protection**

Use impermeable gloves.

**Hygiene measures**

Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

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

Appearance	Form: liquid
	Color: colorless
Odor	almost odorless
Odor Threshold	no data available
Ph	ca. 5 (20 °C)
Solidification point	< -55 °C
Initial boiling point and boiling range	255 °C (1013 hPa).
Flash point	≥70 °C,
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Relative density	ca. 1 g/cm <sup>3</sup> (20 °C)
Water solubility	insoluble
	slow decomposition by hydrolysis

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**SECTION 10: Stability And Reactivity****Hazardous decomposition products**

Ethanol in case of hydrolysis

**Hazardous reactions**

Reacts with: peroxides, oxidizing agents

**Further information**

Incompatibility with acids, alkalis

**SECTION 11: Toxicological Information****Serious eye damage/eye irritation**

Possibly irritating.

**Reproductive toxicity**

No results of animal experiments with the product available.

**SECTION 12: Ecological Effects****General Ecological Information**

Not readily biodegradable.

**SECTION 13: Disposal considerations****Advice on disposal**

Waste must be disposed of in accordance with federal, state, provincial and local regulations. Since empty containers retain product residue, follow MSDS and label warnings even after container is emptied. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

**SECTION 14: Transport Information****D.O.T. Road/Rail**

UN number: 1993

Class: Combustible Liquid

Packing group: III

Proper shipping name: Combustible liquid, n.o.s. (contains Vinyltriethoxysilane, Propyltriethoxysilane)

**IMDG**

Not classified as hazardous sea cargo (IMDG code)

FOR USA ONLY: In packagings exceeding 450 L, this product must be classified, placarded, marked and

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shipped as Combustible Liquid to the USA.

**IATA**

Not hazardous freight in air traffic (ICAO-TI / IATA-DGR).

**SECTION 15:Regulatory Information****International Chemical Inventory Status**

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact the Product Regulatory Services Department.

USA (TSCA)	Listed/registered
Japan (MITI)	Listed/registered
Korea (TCCL)	Listed/registered
Philippines (PICCS)	Not listed/Not registered
China	Listed/registered
Europe (EINECS/ELINCS)	Listed/registered
Australia (AICS)	Not listed/Not registered
Canada (DSL)	Not listed/Not registered

**SECTION 16:Other Information****HMIS Ratings**

Health:	1
Flammability:	2
Physical Hazard:	1

**NFPA Ratings**

Health:	1
Flammability:	2
Reactivity:	1

**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.