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

Product Name: SiSiB® STP31351

**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**

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified.

**Label elements**

Not applicable

Supplemental label information

EUH210: Safety data sheet available on request

**Other hazards**

Product is inert and stable as thick clear liquid. With metal catalysts will hydrolyse with formation of low levels of methanol and ethanol vapour and crosslink into a solid polymer. Releases ethanol, CAS 64-17-5, at level less than 1.0 percent volume of resin. Methanol is also released, CAS 67-56-1 at levels less than 0.5 percent. Methanol is a poison at higher absorption or inhalation. Ethanol at low levels is metabolised and not considered a poison. Methanol and ethanol are easily absorbed into skin or inhaled as a vapour. Normal use of resin as polymer and sealant product has very low ethanol and methanol emission levels when the product is cured by moisture in normal conditions. Maintain good ventilation and avoid enclosed areas in the Factory.

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

Chemical nature: Silane Terminated Polyether Polymer

**Mixtures**

General information: No data.

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

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

**If inhaled**

Provide fresh air.

**In case of skin contact**

Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

**In case of eye contact**

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

**If swallowed**

Give several small portions of water to drink. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed**

Any relevant information can be found in other parts of this section.

**Indication of any immediate medical attention and special treatment needed**

No data.

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

Alcohol resistant foam. Carbon dioxide Dry chemical.

**Unsuitable extinguishing media:**

Avoid water in straight hose stream; will scatter and spread fire.

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

In case of fire, carbon monoxide and carbon dioxide may be formed.

**Advice for firefighters****Special firefighting procedures:**

Take precautionary measures against static discharges. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system.

**Special protective equipment for fire-fighters:**

Wear self-contained breathing apparatus and protective clothing.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

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Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.

**Environmental precautions**

Do not allow runoff to sewer, waterway or ground.

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

Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

**Reference to other sections**

Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

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

Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of dust and vapors.

**Storage conditions:**

Keep container tightly closed. Keep away from sources of ignition - No smoking.

**Conditions for safe storage, including any incompatibilities****Conditions for storage rooms and vessels:**

Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**

Observe local/state/federal regulations.

**Further information for storage:**

Store in a dry and cool place. Protect against moisture. Store container in a well-ventilated place.

**Specific end use(s)**

No data.

**SECTION 8: Exposure Controls/Personal Protection****Control Parameters****Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

None.

**Exposure controls****Appropriate Engineering Controls:**

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Provide eyewash station and safety shower. General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

**Individual protection measures, such as personal protective equipment****General information:**

Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Practice good housekeeping.

**Eye/face protection:**

Safety glasses with side-shields conforming to EN166.

**Skin protection****Hand Protection:**

Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries. Protective gloves made of Neoprene Nitrile rubber. Polyvinyl chloride (PVC).

**Other:**

Safety shoes Wear suitable protective clothing.

**Respiratory Protection:**

Respiratory protection mask with Filtrertype ABEK Respirator with a vapour filter (EN 141).

**Hygiene measures:**

Do not breathe vapour/aerosol. When using do not eat, drink or smoke. Use only with adequate ventilation. Wash thoroughly after handling.

**Environmental exposure controls:**

No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water.

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

Physical state: Liquid  
Form: No data.  
Color: Slight yellow

**Odor**

Odor: Slight odor

**Odor Threshold**

Odor Threshold: No data.  
pH: 6.0-9.0  
Freezing point: No data.  
Boiling Point: > 250°C  
Flash Point: ≥ 273°C  
Evaporation Rate: < 1

**Flammability (solid, gas)**

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Flammability Limit - Upper (%):	No data.
Flammability Limit - Lower (%):	No data.
Vapor pressure:	No data.
Vapor density (air=1):	No data.
<b>Density</b>	
Density:	1.0 g/cm <sup>3</sup>
Relative density:	No data.
<b>Solubility(ies)</b>	
Solubility in Water:	Reactive.
Solubility (other):	No data.
<b>Partition coefficient (n-octanol/water)</b>	
<b>Log</b>	
Pow:	No data.
Autoignition Temperature:	No data.
Decomposition Temperature:	No data.
SADT:	No data.
Viscosity, dynamic:	35000-55000 mPa·s
Explosive properties:	No data.
Oxidizing properties:	No data.

## SECTION 10: Stability And Reactivity

Reactivity:	No data.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
Conditions to avoid:	Keep away from sources of ignition - No smoking. Temperatures Moisture.
Incompatible Materials:	Acids. Bases. Strong oxidizing agents. Water
Hazardous Decomposition Products:	In case of fire, gives off (emits): Carbon oxides, Oxides of silicon.

## SECTION 11: Toxicological Information

### Information on likely routes of exposure

Inhalation:	No data.
Ingestion:	No data.
Skin Contact:	No data.

### Information on toxicological effects

#### Acute toxicity

##### Oral

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Product:	ATE mix: 100.000 mg/kg
Specified substance(s)	
Organosilane Ester	No data.
<b>Dermal</b>	
Product:	ATE mix: 300.000 mg/kg
Specified substance(s)	
Organosilane Ester	LD 50 (Rabbit): > 3.400 mg/kg LD 50 (Rabbit): > 3.460 - 4.000 mg/kg
<b>Inhalation</b>	
Product:	ATEmix470,76 mg/l Vapour
Specified substance(s)	
Organosilane	Ester LC50 (Rat, 4 h): 16,79 mg/l
<b>Repeated dose toxicity</b>	
Product:	No data.
Specified substance(s)	
Organosilane Ester	No data.
<b>Skin Corrosion/Irritation</b>	
Product:	No data.
Specified substance(s)	
Organosilane Ester	No data.
<b>Serious Eye Damage/Eye</b>	
Irritation:	
Product:	No data.
Specified substance(s)	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): No eye irritation
Organosilane Ester	
<b>Respiratory or Skin Sensitization</b>	
Product:	No data.
Specified substance(s)	OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig) Did not cause sensitization on laboratory animals.
Organosilane Ester	
<b>Germ Cell Mutagenicity</b>	
In vitro	
Product:	No data.
Specified substance(s)	Chinese Hamster Ovary (CHO) (OECD 476): negative (not mutagenic) Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Chromosomal aberration (OECD 473): positive.
Organosilane Ester	
<b>In vivo</b>	
Product:	No data.

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Specified substance(s) Chromosomal aberration Intraperitoneal (Mouse): negative

Organosilane Ester

Carcinogenicity

Product: No data.

Specified substance(s) No data.

Organosilane Ester

Reproductive toxicity

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Specific Target Organ Toxicity - Single

#### Exposure

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Specific Target Organ Toxicity - Repeated

#### Exposure

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Aspiration Hazard

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Other effects

No data.

## SECTION 12: Ecological Effects

### Toxicity

#### Acute toxicity

##### Fish

Product: No data.

Specified substance(s) No data.

Organosilane Ester

##### Aquatic Invertebrates

Product: No data.

Specified substance(s) EC50 (Daphnia magna, 48 h): > 100 mg/l (OECD Test Guideline202)

Organosilane Ester EC50 (Daphnia magna, 24 h): 297,2 mg/l

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EC50 (Daphnia magna, 48 h): 168,7 mg/l

NOEC (Daphnia magna, 21 d): 28 mg/l

## Chronic Toxicity

### Fish

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Aquatic Invertebrates

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Toxicity to Aquatic Plants

Product: No data.

Specified substance(s) EC50 (Desmodesmus subspicatus (green algae), 72 h): > 100  
mg/l

Organosilane Ester (OECD Test Guideline 201) EC50 (Selenastrum capricornutum, 7 d):  
210 mg/l Fresh water EC10 (Selenastrum capricornutum, 7 d): 32  
mg/l Fresh water NOEC (Selenastrum capricornutum, 7 d):  
Approximate 25 mg/l Fresh water

## Persistence and Degradability

### Biodegradation

Product: No data.

Specified substance(s) (28 d, OECD-Guideline 301 F (Manometric Respirometry Test)):

Organosilane Ester The product is not readily biodegradable.

### BOD/COD Ratio

Product: No data.

Specified substance(s) No data.

Organosilane Ester

### Bioaccumulative potential

Product: No data.

Specified substance(s) hydrolyses The product is not bioaccumulating.

Organosilane Ester

### Mobility in soil

Known or predicted distribution to environmental compartments.

Organosilane Ester No data.

### Results of PBT and vPvB

assessment:

Organosilane Ester No data.

### Other adverse effects



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none known

**SECTION 13: Disposal considerations****Waste treatment methods**

General information:

See Section 8 for information on appropriate personal protective equipment. The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground.

Disposal methods:

Can be incinerated when in compliance with local regulations.

**SECTION 14: Transport Information****UN number; UN proper shipping name; Transport hazard class(es); Packing group**

Road ADR:

Not regulated for transport

Railway RID:

Not regulated for transport

Transport by sea IMDG-Code

Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Not regulated for transport

**Environmental hazards**

Hazardous to the environment:

No

**Special precautions for user**

Relevant information in other sections has to be considered.

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

Bulk transport in tankers is not intended.

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

This STPP material is classified as a polymer in the EU and so is exempt from Registration under EU regulation 1907/2006 article 2.

**Chemical safety assessment**

For information on safety please refer to other sections of this document.

**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.