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

Product Identifier

Product Name: SiSiB® STP90750

Chemical Name: Silane Terminated Polyether Polymer

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

Identified uses: Chemical Intermediate For industrial use only.

Uses advised against: For industrial use only.

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 available.

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).

After inhalation:

Provide fresh air.

After contact with the skin:

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).

After contact with the eyes:

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

After swallowing:

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 available

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.

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Special protective equipment for firefighters:

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

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 available

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Occupational Exposure Limits

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None of the components have assigned exposure limits.

Biological Limit Values

None.

Exposure controls

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:

Form: liquid
 Color: No data available

Odor

Odor: Slight odor

Odor Threshold

Odor Threshold: No data available

pH: 6-9

Freezing point: No data available

Boiling Point: >250 °C

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Flash Point:	≥ 237° C
Evaporation Rate:	No data available
Flammability (solid, gas)	
Flammability Limit - Upper (%):	No data available
Flammability Limit - Lower (%):	No data available
Vapor pressure:	No data available
Vapor density (air=1):	No data available
Density	
Density:	About 1.0 g/cm ³
Relative density:	No data available
Solubility(ies)	
Solubility in Water:	Reactive
Solubility (other):	No data available
Partition coefficient (n-octanol/water) Log	
Pow:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
SADT:	No data available
Viscosity, dynamic:	40000-60000 mPa·s
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: Stability And Reactivity

Reactivity

no data available

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. High Temperatures Moisture.

Incompatible materials

Acids. Bases. Strong oxidizing agents.

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 available

Ingestion: No data available

Skin Contact: No data available

Information on toxicological effects

Acute toxicity

Oral

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Dermal

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Inhalation

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Repeated dose toxicity Product

Specified substance(s)

Organosilane Ester: No data available

Skin Corrosion/Irritation:

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Serious Eye Damage/Eye Irritation:

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Respiratory or Skin Sensitization:

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Germ Cell Mutagenicity

In vitro

Product: No data available

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Specified substance(s)
 Organosilane Ester: No data available

In vivo

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Carcinogenicity

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Reproductive toxicity

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Specific Target Organ

Toxicity - Single Exposure

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Specific Target Organ

Toxicity - Repeated Exposure

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Aspiration Hazard

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Other effects: No data available

SECTION 12: Ecological Effects

Toxicity

Acute toxicity

Fish

Product: No data available

Specified substance(s)
 Organosilane Ester: No data available

Aquatic Invertebrates

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Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Chronic Toxicity

Fish

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Aquatic Invertebrates

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Toxicity to Aquatic Plants

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Persistence and Degradability

Biodegradation

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

BOD/COD Ratio

Product: No data available

Specified substance(s)

Organosilane Ester: No data available

Bioaccumulative potential

Product: No data available

Specified substance(s)

Organosilane Ester: hydrolyses the product is not bioaccumulating.

Mobility in soil

Known or predicted distribution to environmental compartments

Organosilane Ester: No data available

Results of PBT and vPvB

assessment

Organosilane Ester: No data available

Other adverse effects: None known

SECTION 13: Disposal considerations

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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

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

GB13690-2009: General Rules for classification and hazard communication of chemicals

Order of the State Council of the People's Republic of China (No.591): Regulations on the Safety Administration of Hazardous Chemicals

GB 6944-2012: Classification and code of dangerous goods

GB 12268-2012: List of dangerous goods

GB190-2009: Packing symbol of dangerous goods

GB/T 16483-2008 Safety data sheet for chemical products-content and order of sections;

GB/T 17519-2013 Guidance of the compilation of safety data sheet for chemical products;

GB15258-2009 General Rules for preparation of precautionary label for chemicals;

GB 30000.2-2013 - GB30000.29-2013 Rules for classification and labelling of chemicals;

GBZ/T210.1-2019 Occupational exposure limits for hazardous agents in the workplace— Part 1: Chemical hazardous agents

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