

Version 7.1R

Page 1 / 9

Revision Date 19.09.2024

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

Product Identifier

Product Name: SiSiB® STP81050

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 vapor 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 vapor. 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).

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 available.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam, dry chemical or carbon dioxide.

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 fire fighting 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

Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective

Version 7.1R

Page 3 / 9

Revision Date 19.09.2024

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

None of the components have assigned exposure limits.

Biological Limit Values

None.

Exposure controls

Appropriate Engineering Controls:

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

Version 7.1R	Page 4 / 9	Revision Date 19.09.2024
--------------	------------	--------------------------

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 Filter type 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

Physical state	liquid
Form	No data available
Color	Slight yellow
Odor	Slight odor
Odor Threshold	No data available
pH	6.0-9.0
Freezing point	No data available
Boiling Point	> 250 °C
Flash Point	≥ 237 °C
Evaporation Rate	< 1
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	1.0 g/cm ³

Version 7.1R

Page 5 / 9

Revision Date 19.09.2024

Relative density	No data available
Solubility in Water	Reactive
Pow:	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
SADT	No data available
Viscosity, dynamic	4000-6000 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. Water

Hazardous Decomposition Products

In case of fire, gives off (emits): Carbon oxides, Oxides of silicone

SECTION 11: Toxicological Information

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix: 100.000 mg/kg

Specified substance(s)

Organosilane Ester No data available.

Dermal

Product: ATEmix: 300.000 mg/kg

Version 7.1R	Page 6 / 9	Revision Date 19.09.2024
--------------	------------	--------------------------

Specified substance(s)

Organosilane Ester LD 50 (Rabbit): > 3.400 mg/kg
 LD 50 (Rabbit): > 3.460 - 4.000 mg/kg

Inhalation

Product: ATEmix470,76 mg/l Vapour

Specified substance(s)

Organosilane Ester LC50 (Rat, 4 h): 16,79 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s) OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): No eye irritation

Organosilane Ester

Respiratory or Skin Sensitization

Product: No data available

Specified substance(s) OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig) Did not cause sensitization

Organosilane Ester on laboratory animals.

Germ Cell Mutagenicity

In vitro

Product: No data available.

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)

Organosilane Ester Chromosomal aberration (OECD 473): positive

In vivo

Product: No data available.

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

Carcinogenicity

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Reproductive toxicity

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Specific Target Organ Toxicity - Single

Exposure

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Specific Target Organ Toxicity - Repeated

Exposure

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Aspiration Hazard

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

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

Product: No data available.

Specified substance(s) EC50 (Daphnia magna, 48 h): > 100 mg/l (OECD Test Guideline 202)

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

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

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

Organosilane Ester

Aquatic Invertebrates

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Toxicity to Aquatic Plants

Version 7.1R

Page 8 / 9

Revision Date 19.09.2024

Product: No data available.

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

Organosilane Ester

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s) (28 d, OECD-Guideline 301 F (Manometric Respirometry Test)): The product is not readily biodegradable.

Organosilane Ester

BOD/COD Ratio

Product: No data available.

Specified substance(s) No data available.

Organosilane Ester

Bioaccumulative potential

Product: No data available.

Specified substance(s) The product is not bioaccumulating.

Organosilane Ester

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

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

Land transport ADR and RID

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