

Version 6.1S

Page 1 / 9

Revision Date 25.12.2020

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

Product Name: SiSiB® PC5801  
Chemical Name: n-Decyltrimethoxysilane  
CAS-No.: 5575-48-4

**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 according to Regulation (EC) No. 1272/2008 [CLP]**

Serious eye damage/eye irritation Category 2 H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Labelling according Regulation (EC) No 1272/2008[CLP]**

Pictogram

Signal word Warning

Hazard statement(s)

H319 Causes serious eye irritation.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**Other hazards**

Version 6.1S

Page 2 / 9

Revision Date 25.12.2020

No additional information available

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

Formula:  $C_{13}H_{30}O_3Si$   
Molecular Weight: 262.46 g/mol  
CAS-No.: 5575-48-4  
EC-No.: 422-350-7

Component	Classification	Concentration
n-Decyltrimethoxysilane		
	Eye Irrit. 2, H319	97% - 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****Description of first aid measures****First-aid measures general**

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

**If inhaled**

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

**In case of skin contact**

Wash with plenty of soap and water. Get medical advice/attention.

**In case of eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**If swallowed**

Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed****Symptoms/injuries after inhalation**

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

**Symptoms/injuries after skin contact**

May cause skin irritation.

**Symptoms/injuries after eye contact**

May cause eye irritation.

**Symptoms/injuries after ingestion**

Version 6.1S

Page 3 / 9

Revision Date 25.12.2020

Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.

**Chronic symptoms**

On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system.

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

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

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

Water spray. Foam. Carbon dioxide. Dry chemical.

**Unsuitable extinguishing media**

Do not use straight streams.

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

Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

**Advice for firefighters****Firefighting instructions**

Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Use water spray to cool exposed surfaces.

**Protection during firefighting**

Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist..

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Protective equipment

Wear protective equipment as described in Section 8.

Emergency procedures

Evacuate unnecessary personnel.

Version 6.1S

Page 4 / 9

Revision Date 25.12.2020

**For emergency responders**

Protective equipment

Do not attempt to take action without suitable protective equipment.  
Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

**Environmental precautions:**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

**Reference to other sections**

See section 8. Exposure controls and personal protection.

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

Precautions for safe handling

Avoid all eye and skin contact and do not breathe vapor and mist.  
Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures

Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions

Keep container tightly closed.

Incompatible materials

Moisture. Water

Storage area

Store in a well-ventilated place. Store away from heat.

**Specific end use(s)**

No data available.

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

No data available.

**Exposure controls****Appropriate engineering controls**

Provide local exhaust or general room ventilation.

**Personal protective equipment**

Version 6.1S

Page 5 / 9

Revision Date 25.12.2020

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Hand protection**

Neoprene or nitrile rubber gloves

**Eye protection**

Chemical goggles. Contact lenses should not be worn

**Skin and body protection**

Wear suitable protective clothing

**Respiratory protection**

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

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

Appearance	Form: clear liquid
Molecular mass	262.47 g/mol
Color	straw
Odor	mild
Odor Threshold	no data available
Refractive index	1.4209
pH	no data available
Relative evaporation rate (butyl acetate=1)	no data available
Melting point	no data available
Freezing point	< 0 °C
Boiling point	132 °C @ 10 mm Hg
Flash point:	117 °C
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapor pressure:	0.1 mm Hg @ 60°C
Relative vapor density at 20 °C	> 1
Relative density	0.9
Solubility	Insoluble in water. Reacts with water.
Log Pow	no data available
Log Kow	no data available
Viscosity, kinematic	no data available
Viscosity, dynamic	no data available
Explosive properties	no data available
Oxidizing properties	no data available

Version 6.1S

Page 6 / 9

Revision Date 25.12.2020

Explosive limits no data available

Other information

no data available

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

No data available

**Chemical stability**

Stable under proper conditions.

**Possibility of hazardous reactions**

Reacts with water and moisture in air, liberating methanol.

**Conditions to avoid**

Heat. Sparks. Open flame.

**Incompatible materials**

Water. Moisture.

**Hazardous decomposition products**

Methanol. Organic acid vapors.

**SECTION 11: Toxicological Information****Information on toxicological effects****Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

Version 6.1S

Page 7 / 9

Revision Date 25.12.2020

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Symptoms/effects after inhalation**

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

**Symptoms/effects after skin contact**

May cause skin irritation.

**Symptoms/effects after eye contact**

Causes serious eye irritation.

**Symptoms/effects after ingestion**

Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.

**Chronic symptoms**

On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system.

**Reason for classification**

Expert judgment

**SECTION 12: Ecological Effects****Toxicity****Acute aquatic toxicity**

Not classified

**Chronic aquatic toxicity**

Not classified

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

No data available

**Other adverse effects**

This substance may be hazardous to the environment

**SECTION 13: Disposal considerations**

Version 6.1S

Page 8 / 9

Revision Date 25.12.2020

**Waste treatment methods****Product/Packaging disposal recommendations**

May be incinerated. Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents/container to licensed waste disposal facility.

**Ecology - waste materials**

Avoid release to the environment.

**SECTION 14:Transport Information****UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

No data available

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

No REACH Annex XVII restrictions

n-DECYLTRIMETHOXYSILANE is not on the REACH Candidate List

n-DECYLTRIMETHOXYSILANE is not on the REACH Annex XIV List

n-DECYLTRIMETHOXYSILANE is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

n-DECYLTRIMETHOXYSILANE is not subject to Regulation (EC) No 850/2004 of the European

Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

**National regulations**



Version 6.1S

Page 9 / 9

Revision Date 25.12.2020

**Germany**

Reference to AwSV:

Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to VwVwS, Annex 3; ID No. 5839)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV:

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

SZW-lijst van kankerverwekkende stoffen:

The substance is not listed

SZW-lijst van mutagene stoffen:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling:

The substance is not listed

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other Information****Full text of H-Statements referred to under sections 2 and 3.**

Eye Irrit. 2

Serious eye damage/eye irritation

Category 2

H319

Causes serious eye irritation.

**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.