

Version 6.1S

Page 1 / 8

Revision Date 25.12.2020

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

Product Name: SiSiB® PC9274  
Chemical Name: n-Decyltrimethoxysilane  
CAS-No.: 2895-07-0  
EC-No.: 220-774-5

**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]**

Flammable liquids Category 2 H225

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

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapour.

Precautionary statement(s)

P280

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

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233

Keep container tightly closed.

P240

Ground/bond container and receiving equipment.

P403+P235

Keep in a cool place

Version 6.1S	Page 2 / 8	Revision Date 25.12.2020
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P501

Dispose of contents/container to licensed waste disposal facility.

**Other hazards**

No additional information available

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

Formula:	C <sub>7</sub> H <sub>22</sub> O <sub>2</sub> Si <sub>3</sub>
Molecular Weight:	222.5 g/mol
CAS-No.:	2895-07-0
EC-No.:	220-774-5

Component	Classification	Concentration
1,1,1,3,3,5,5-Heptamethyltrisiloxane		
	Flam. Liq. 2, H225	> 90 %

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**

Immediately flush eyes thoroughly with water for at least 15 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**

No data available.

**Symptoms/injuries after skin contact**

May cause skin irritation.

**Symptoms/injuries after eye contact**

Version 6.1S

Page 3 / 8

Revision Date 25.12.2020

May cause eye irritation.

**Symptoms/injuries after ingestion**

May be harmful if swallowed.

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

No data available.

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

Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.

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

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

**Explosion hazard**

May form flammable/explosive vapour-air mixture.

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

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

**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**

General measures: Eliminate every possible source of ignition. Use special care to avoid static electric charges.

**For non-emergency personnel**

Emergency procedures: Evacuate unnecessary personnel.

**For emergency responders**

Protective equipment: Equip cleanup crew with proper 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**

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. Use only non-sparking tools.

Version 6.1S

Page 4 / 8

Revision Date 25.12.2020

**Reference to other sections**

See section 8. Exposure controls and personal protection.

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

Additional hazards when processed: Keep away from heat, open flames, sparks. No smoking.

Precautions for safe handling: Avoid all eye and skin contact and do not breathe vapour and mist. Containers must be properly grounded before beginning transfer. Provide good ventilation in process area to prevent formation of vapour. Use only non-sparking tools.

Take precautionary measures against static discharge.

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

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

Technical measures: Ground/bond container and receiving equipment. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment.

Storage conditions: Keep container tightly closed.

Incompatible materials: Alkalies. Metal salts. Oxidizing agent. Precious metals.

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**

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

**Hand protection**

Neoprene or nitrile rubber gloves

**Eye protection**

Chemical goggles. Contact lenses should not be worn.

Version 6.1S

Page 5 / 8

Revision Date 25.12.2020

**Skin and body protection**

Wear suitable protective clothing.

**Respiratory protection**

NIOSH-certified organic vapor (black cartridge) respirator.

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

Appearance	liquid
Molecular mass	222.51 g/mol
Color	no data available
Odor	no data available
Odor Threshold	no data available
Refractive index	no data available
pH	no data available
Relative evaporation rate (butyl acetate=1)	> 1
Melting point	no data available
Freezing point	< 0 °C
Boiling point	134 - 135 °C
Flash point:	21 °C
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapor pressure:	no data available
Relative vapor density at 20 °C	> 1
Relative density	0.82
Solubility	Insoluble in 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
Explosive limits	no data available

**Other information**

no data available

**SECTION 10: Stability And Reactivity**

Version 6.1S

Page 6 / 8

Revision Date 25.12.2020

**Reactivity**

No data available

**Chemical stability**

Stable in sealed containers stored under a dry inert atmosphere.

**Possibility of hazardous reactions**

The product can generate small amounts of hydrogen when exposed to alkalis and protic materials such as water and alcohol in combination with metal salts such as aluminum chloride or precious metals such as platinum.

**Conditions to avoid**

Heat. Sparks. Open flame.

**Incompatible materials**

Alkalis. Metal salts. Oxidizing agent. Precious metals.

**Hazardous decomposition products**

Carbon monoxide. Formaldehyde. Hydrogen. Organic acid vapors. Silicon dioxide.

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

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Symptoms/effects after inhalation**

No data available

Version 6.1S

Page 7 / 8

Revision Date 25.12.2020

**Symptoms/effects after skin contact**

May cause skin irritation.

**Symptoms/effects after eye contact**

Causes serious eye irritation.

**Symptoms/effects after ingestion**

May be harmful if swallowed.

**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**

No data available

**SECTION 13: Disposal considerations****Waste treatment methods****Product/Packaging disposal recommendations**

Incinerate. 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: 1993

IMDG: 1993

IATA: 1993

**UN proper shipping name**

Version 6.1S	Page 8 / 8	Revision Date 25.12.2020
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ADR/RID: FLAMMABLE LIQUID, N.O.S. (1,1,1,3,3,5,5-HEPTAMETHYLTRISILOXANE)

IMDG: FLAMMABLE LIQUID, N.O.S. (1,1,1,3,3,5,5-HEPTAMETHYLTRISILOXANE)

IATA: FLAMMABLE LIQUID, N.O.S. (1,1,1,3,3,5,5-HEPTAMETHYLTRISILOXANE)

**Transport hazard class(es)**

ADR/RID: 3

IMDG: 3

IATA: 3

**Packaging group**

ADR/RID: II

IMDG: II

IATA: II

**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**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**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.**

Flam. Liq. 2

Flammable liquids

Category 2

H225

Highly flammable liquid and vapour.

**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.