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

### Product Identifier

Product Name: SiSiB® PC9401  
 Chemical Name: 1,1,3,3-tetramethyl-1,3-divinyldisiloxane  
 CAS-No.: 2627-95-4  
 EC-No.: 220-099-6

### 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

#### According to Regulation (EC) No1272/2008

Flammable liquids Category 2  
 Skin irritation Category 2  
 Eye irritation Category 2  
 Specific target organ toxicity Category 3

-single exposure

According to European Directive 67/548/EEC as amended.

Highly flammable. Irritating to eyes, respiratory system and skin.

### Label elements

Pictogram



Signal word Danger  
 Hazard statement(s)  
 H225 Highly flammable liquid and vapor.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.

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H335	May cause respiratory irritation.
Precautionary statement(s):	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/pray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Hazard symbol(s)	
F	Highly flammable
Xi	Irritant
R-phrases(s)	
R11	Highly flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.
S-phrases(s)	
S16	Keep away from sources of ignition - No smoking.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36	Wear suitable protective clothing.
<b>Other hazards</b>	
None	

## SECTION 3: Composition/information on ingredients

### Substances

Synonyms	Divinyltetramethyldisiloxane
Formula	C <sub>8</sub> H <sub>18</sub> OSi <sub>2</sub>
Molecular Weight	186.40 g/mol
CAS-No.	2627-95-4
EC-No.	220-099-6

Component	Concentration
<b>1,1,3,3-Tetramethyl-1,3-divinyldisiloxane</b>	
CAS-No. 2627-95-4 EC-No. 220-099-6	-

## SECTION 4: First aid measures

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

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**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**Precautions for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**

Use water spray to cool unopened containers.

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

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

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

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Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

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

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and Chemical Properties**

**Information on basic physical and chemical properties**

Appearance	Form: liquid
Color	Colorless
Odor	no data available
Odor Threshold	no data available

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pH	no data available
Melting point/freezing point	-99 °C - lit.
Initial boiling point and boiling range	139 °C (282 °F) - lit.
Flash point:	19 °C (66 °F) - closed cup
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Relative density	0.809 g/mL at 25 °C (77 °F)
Water solubility:	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

**Other safety information**

no data available

## SECTION 10: Stability And Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

Heat, flames and sparks. Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, silicon oxides

## SECTION 11: Toxicological Information

**Acute toxicity**

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LD50 Oral - rat - > 10.000 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Olfaction: Other changes.

Behavioral: Somnolence (general depressed activity). Skin and Appendages: Other: Hair.

Inhalation: 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**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

**Inhalation**

May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion**

May be harmful if swallowed.

**Skin**

May be harmful if absorbed through skin. Causes skin irritation.

**Eyes**

May cause eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional Information**

RTECS: JM9235250

**SECTION 12: Ecological Effects**

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**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bio-accumulative 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:**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport Information****ADR/RID**

UN number: 1993

Class: 3

Packing group: II

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (1,1,3,3-Tetramethyl-1,3-divinyldisiloxane)

**IMDG**

UN number: 1993

Class: 3

Packing group: II

EMS-No: F-E, S-E

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (1,1,3,3-Tetramethyl-1,3-divinyldisiloxane)

Marine pollutant: No

**IATA**

UN number: 1993

Class: 3

Packing group: II

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (1,1,3,3-Tetramethyl-1,3-divinyldisiloxane)

**SECTION 15: Regulatory Information**

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

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

Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
F	Highly flammable
Xi	Irritant
R11	Highly flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.

**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.