

|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 1 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

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

### Product Identifier

Product Name: SiSiB® PC9240  
 Chemical Name: Hexamethylcyclotrisiloxane (D3)  
 CAS-No.: 541-05-9  
 EC-No.: 208-765-4

### 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 of the substance or mixture

#### Classification according to (REGULATION (EC) No 1272/2008)[CLP]

Flammable solids Category 1 H228

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

### Label elements

#### Labeling as per (EU) 1272/2008)

Statutory basis EU-CLP as per Regulation (EU) No.1272/2008

Symbol(s)



Signal word

Danger

Hazard statement

H228

Flammable solid.

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. -

No smoking.

Supplemental Hazard Statements

None

### Other hazards

None.

**SECTION 3: Composition/information on ingredients****Substances****Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No.1272/2008****Hexamethylcyclotrisiloxane (D3)**

|                   |   |
|-------------------|---|
| Formula:          | C <sub>6</sub> H <sub>18</sub> O <sub>3</sub> Si <sub>3</sub> |
| Molecular Weight: | 222.46 g/mol  |
| CAS-No.           | 541-05-9  |
| EC-No.            | 208-765-4   |

No components need to be disclosed according to the applicable regulations.

Texts of H phrases see in Chapter 16

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

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

**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**

Flush eyes with water as a precaution.

**If swallowed**

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

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11

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

No data available.

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, silicon oxides

|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 3 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting 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.

**Environmental precautions:**

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

**Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Fill into marked, sealable containers.

To be disposed of in compliance with existing regulations.

**Reference to other sections**

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

**SECTION 7: Handling and storage**

**Precautions for safe handling**

Application, processing: Provide good ventilation or extraction. Keep away from sources of ignition

- No smoking. Take measures to prevent the buildup of electrostatic charge.

For precautions see section 2.

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

**Storage:**

Keep containers tightly closed in a cool, well-ventilated place.

Protect from moisture.

**Specific end use(s)**

No further information available

Applications; see Section 1.

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

**Other information**

No substance-specific limiting value being known.

**Exposure controls**

|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 4 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

### Engineering measures

Provide adequate ventilation.

### Personal protective equipment

#### Respiratory protection

In case of dusts/vapors/aerosols being formed or if the limit values like TLV are exceeded:

Use respiratory equipment with suitable filter (filter type ABEK) or wear a self-contained respiratory apparatus.

Use only respiratory protection equipment with CE-symbol including four digit test number.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Note time limit for wearing respiratory protective equipment.

#### Hand protection

|                    |   |
|--------------------|---|
| Glove material     | for example, butyl-rubber               |
| Material thickness | 0.5 mm                                  |
| Break through time | >= 480 min                              |
| Glove material     | for example, Fluorinated rubber (Viton) |
| Material thickness | 0.4 mm                                  |
| Break through time | >= 480 min                              |

Selection of protective gloves to meet the requirements of specific workplaces

Suitability for specific workplaces should be clarified with protective glove manufacturers.

The information is based on our own tests, references from the literature and information from glove manufacturers, or derived by analogy with similar materials.

Please observe that the daily duration of usage of a chemical protective glove is in practice far shorter due to the many influencing factors (e.g. temperature, mechanical strain on the glove material) than the permeation time determined acc. EN 374.

#### Eye protection

Close-fitting protective goggles (e.g. closed goggles)

#### Skin and body protection

Suitable protective clothing - Use disposable clothing if appropriate.

#### Hygiene measures

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

Remove immediately all contaminated clothing.

Wash contaminated clothing before re-use.

#### Protective measures

Handle in accordance with good industrial hygiene and safety practice.

The personal protective equipment used must meet the requirements of directive 89/686/EEC and amendments (CE certification).

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 5 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

Do not breathe in vapors or aerosols.

Avoid contact with skin and eyes.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:

|  |                    |
|--|--------------------|
| Form:  | crystalline        |
| Color:   | colorless          |
| Odor:  | no data available  |
| Odor Threshold:  | no data available  |
| PH:  | no data available  |
| Melting point/range  | 63 - 67 °C - lit.  |
| Boiling point/range:   | 134 °C - lit.      |
| Flash point:   | 35 °C - closed cup |
| Evaporation rate:  | no data available  |
| Flammability (solid, gas):   |                    |
| The substance or mixture is a flammable solid with the category 1. |                    |
| Lower explosion limit:   | no data available  |
| Upper explosion limit:   | no data available  |
| Water solubility:  | May decompose.     |
| Partition coefficient: n-octane/water:                             | no data available  |
| Decomposition temperature:   | no data available  |
| Viscosity:   | no data available  |
| Explosive properties:  | no data available  |
| Oxidizing properties:  | no data available  |

## SECTION 10: Stability and reactivity

### Reactivity

No dangerous reaction known under conditions of normal use.

### 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

Version 5.1C

Page 6 / 9

Revision Date 06.06.2018

Strong oxidizing agents

**Hazardous decomposition products**

Other decomposition products: no data available

In the event of fire: see section 5.

**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**

Maximization Test - guinea pig

Result: Does not cause skin sensitization.  
(OECD Test Guideline 406)

**Germ cell mutagenicity**

Ames test: S. typhimurium

Result: negative

Rat - male

Result: negative

**Carcinogenicity**

IARC: No component of this product presents 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

Rat - male and female - Inhalation

Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard** no data available

**Additional Information**

Repeated dose toxicity:

Rat - male and female - Inhalation

RTECS: Not available

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

**SECTION 12: Ecological information**

|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 7 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

**Toxicity**

Toxicity to fish: flow-through test LC50  
 Oncorhynchus mykiss (rainbow trout) > 1.6 mg/l - 96h  
 Toxicity to daphnia and other aquatic invertebrates: flow-through test EC50  
 Daphnia magna (Water flea) > 1.6 mg/l - 48 h  
 Toxicity to algae: static test EC50  
 Pseudokirchneriella subcapitata > 1.6 mg/l - 72 h  
 (OECD Test Guideline 201)  
 Toxicity to bacteria: Respiration inhibition EC50  
 Sludge Treatment > 100 mg/l - 3 h  
 (OECD Test Guideline 209)

**Persistence and degradability**

Biodegradability: aerobic Exposure time 28 d  
 Result: 0.06 % - Not biodegradable.  
 (OECD Test Guideline 310)

**Bio-accumulative potential**

Bioaccumulation No data available

**Mobility in soil**

Mobility No data available

**Results of PBT and vPvB assessment**

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

**Other adverse effects**

Further Information Toxic to aquatic life with long lasting effects.

**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.

**Uncleaned packaging**

Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities.  
 If there is product residue in the emptied container, follow directions for handling on the container's label. Incorrect disposal or reuse of this container is illegal and can be dangerous.  
 Other countries: observe the national regulations.

**Waste Key Number**

|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 8 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

#### SECTION 14: Transportation information

##### UN number

ADR/RID: 1325

IMDG: 1325

IATA: 1325

##### UN proper shipping name

ADR/RID:

FLAMMABLE SOLID, ORGANIC, N.O.S. (Hexamethylcyclotrisiloxane)

IMDG:

FLAMMABLE SOLID, ORGANIC, N.O.S. (Hexamethylcyclotrisiloxane)

IATA:

FLAMMABLE SOLID, ORGANIC, N.O.S. (Hexamethylcyclotrisiloxane)

##### Transport hazard class(es)

ADR/RID: 4.1

IMDG: 4.1

IATA: 4.1

##### 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

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

##### Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

##### Chemical safety assessment

No substance-related safety assessment is necessary / has been conducted for this product.

#### SECTION 16: Other information

##### Relevant H phrases from chapter 3

H228: Flammable solid.

##### 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



|              |            |                          |
|--------------|------------|--------------------------|
| Version 5.1C | Page 9 / 9 | Revision Date 06.06.2018 |
|--------------|------------|--------------------------|

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.