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

Product Name: SiSiB® PC4400  
Chemical Name: 3-[Diethoxy(methyl)silyl]propyl Methacrylate  
CAS-No.: 65100-04-1

**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**

Skin Corrosion/Irritation Category 2  
Serious eye damage/eye irritation Category 2A

**Label elements**

Pictogram

Signal word Warning

**Hazard statement(s)**

H315 Causes skin irritation  
H319 Causes serious eye irritation.

**Precautionary statement(s)**

P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352+P332+P313+P362+P364 IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.  
P305+P351+P338+P337+P313 IF IN EYES: Rinse cautiously with water for several minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice or attention.

**Other hazards****Results of PBT and vPvB assessment**

PBT Not applicable  
vPvB Not applicable

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

Components: 3-[Diethoxy(methyl)silyl]propyl Methacrylate  
Percent: >98.0%(GC)  
CAS RN: 65100-04-1  
Synonyms: Methacrylic Acid 3-[Diethoxy(methyl)silyl]propyl Ester  
Chemical Formula: C<sub>12</sub>H<sub>24</sub>O<sub>4</sub>Si

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

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin contact:**

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact:**

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

**Ingestion:**

Get medical advice/attention if you feel unwell. Rinse mouth.

**Symptoms/effects:**

**Acute:** Redness.

**Delayed:** No data available

**Indication of any immediate medical attention:**

Not available.

**Notes to physician:**

No data available

**SECTION 5: Firefighting measures**

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**Extinguishing media****Suitable extinguishing media:**

Dry chemical, foam, water spray, carbon dioxide.

**Unsuitable extinguishing media:**

Solid streams of water

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

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Carbon dioxide, Carbon monoxide, Hydrogen fluoride, Silicon oxides

**Other specific hazards:** Closed containers may explode from heat of a fire.

**Advice for firefighters:**

Wear self-contained breathing apparatus if possible.

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

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

**Environmental precautions:**

Prevent product from entering drains

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

Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

**Prevention of secondary hazards:**

For disposal see section 13.

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

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapor or mist. Wash hands and face thoroughly after handling.

Use a ventilation, local exhaust if vapour or aerosol will be generated.

Avoid contact with skin, eyes and clothing.

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

Keep container tightly closed. Store in a cool, dark and well-ventilated place.

Store under inert gas. Protect from moisture.

Store away from incompatible materials such as oxidizing agents.

Moisture-sensitive

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**Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure Controls/Personal Protection****Appropriate engineering controls:**

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

**Exposure controls**

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

**Respiratory protection:**

Vapor respirator.

Follow local and national regulations.

**Hand protection:**

Protective gloves.

**Eye protection:**

Safety glasses. A face-shield, if the situation requires.

**Skin and body protection:**

Protective clothing. Protective boots, if the situation requires.

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

Physical state (20°C):	Liquid
Form:	Clear
Color:	Colorless - Almost colorless
Odor:	No data available
Odor threshold:	No data available
Melting point/freezing point:	No data available
pH:	No data available
Boiling point/range:	No data available
Flash point	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.96
Log Pow:	No data available
Evaporation rate (Butyl Acetate=1):	No data available

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Flammability (solid, gas):	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Solubility(ies):	
[Water]	No data available
[Other solvents]	No data available
Partition coefficient:	No data available
n-octanol/water:	
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available
<b>Other safety information</b>	No data available

## SECTION 10: Stability And Reactivity

### Reactivity

no data available

### Chemical stability

Stable under proper conditions.

### Possibility of hazardous reactions

No special reactivity has been reported.

### Incompatible materials

Oxidizing agents

### Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Silicon oxides

## SECTION 11: Toxicological Information

### 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

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No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration hazard**

No data available

**SECTION 12: Ecological Effects****Ecotoxicity:**

Fish: No data available

Crustacea: No data available

Algae: No data available

**Persistence / degradability:** No data available**Bioaccumulative potential (BCF):** No data available**Mobility in soil**

Log Pow: No data available

Soil adsorption (Koc): No data available

Henry's Law (PaM<sup>3</sup>/mol): No data available**Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

**Other adverse effects:** No data available**SECTION 13: Disposal considerations****Waste treatment methods**

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

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**Disposal of container:** Dispose of as unused product. Do not re-use empty containers.

**Other considerations:** Observe all federal, state and local regulations when disposing of the substance.

## SECTION 14: Transport Information

**UN number** Not listed

**UN proper shipping name**

ADR/RID Not listed

IMDG/IMO Not listed

ICAO/IATA Not listed

**Transport hazard class(es)**

ADR/RID

Does not correspond to the classification standard of the United Nations

IMDG/IMO

Does not correspond to the classification standard of the United Nations

ICAO/IATA

Does not correspond to the classification standard of the United Nations

**Packaging group**

ADR/RID -

IMDG/IMO -

ICAO/IATA -

**Environmental hazards**

Marine pollutant -

**Special precautions for user** No data available

## SECTION 15: Regulatory Information

**Toxic Substance Control Act (TSCA 8b.):**

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

**US Federal Regulations**

**CERCLA Hazardous substance and Reportable Quantity:**

SARA 313: Not Listed

SARA 302: Not Listed

**State Regulations**

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**State Right-to-Know**

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

**Other Information**

NFPA Rating:	HMS Classification:
Health: 1	Health: 1
Flammability: 0	Flammability: 0
Instability: 0	Physical: 0

**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.