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

Product Name: SiSiB® PC5012  
 Chemical Name: 3-Chloropropyltriethoxysilane  
 CAS-No.: 5089-70-3

**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 2

**Label elements**

Pictogram

Signal word Warning

**Hazard statement(s)**

H315 Causes skin irritation  
 H319 Causes serious eye irritation.

**Precautionary statement(s)****Prevention**

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-Chloropropyltriethoxysilane
Percent:	>97.0%(GC)
CAS RN:	5089-70-3
EC-No:	225-805-6
Synonyms:	3-(Triethoxysilyl)propyl Chloride
Chemical Formula:	C <sub>9</sub> H <sub>21</sub> ClO <sub>3</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.

**Protection of first-aiders:**

A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

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

No data available

**Indication of any immediate medical attention:**

Not available.

**SECTION 5: Firefighting measures**

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**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 chloride, Silicon oxides.

**Advice for firefighters:**

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment.

**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. Remove all sources of ignition.

Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.

**Reference to other sections:**

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. Keep away from flames and hot surfaces. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if vapor or aerosol will be generated. Avoid contact with skin, eyes and clothing.

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

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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

**Specific end use(s):**

No further relevant information available.

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

No data available

**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 - Very pale yellow
Odor:	Fruity
Odor threshold:	No data available
Melting point/freezing point:	No data available
pH:	No data available
Boiling point/range:	102°C /1.3kPa
Vapor pressure:	0.1kPa/20°C
Decomposition temperature:	No data available
Vapor density:	No data available
Relative density:	1.01
Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available
Log Pow:	No data available
Evaporation rate (Butyl Acetate=1):	No data available
Flash point:	86°C
Autoignition temperature:	No data available

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Flammability (solid, gas):	No data available
Flammability or explosive limits:	
Lower:	0.5%
Upper:	No data available
Solubility(ies):	
[Water]	No data available
[Other solvents]	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.

### Conditions to avoid

Open flame

### Incompatible materials

Oxidizing agents

### Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Hydrogen chloride, 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

No data available

### Carcinogenicity

No data available

### Reproductive toxicity

No data available

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**Target organ(s):**

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:** 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. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. 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

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**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****Safety, health and environmental regulations/legislation specific for the substance or mixture****Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No.1907/2006**

Not listed

**Chemical safety assessment**

A chemical safety assessment has not been carried out.

**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.