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

Product Name: SiSiB® PC5010  
Chemical Name: 3-Chloropropyltrichlorosilane  
CAS-No.: 2550-06-3

**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**

Eye Damage/Irritation Category 1  
Flammable Liquids Category 4  
Corrosive to Metals Category 1  
Skin Corrosion/Irritation Category 1B

**Label elements**

Pictogram

Signal word Danger

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

P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P273 Avoid release to the environment.

**Response**

P302+P352 IF ON SKIN: Wash with plenty of water/...  
P321 Specific treatment (see ... on this label).

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P332+P313

If skin irritation occurs: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

P391

Collect spillage.

**Storage**

Store in corrosive resistant bottle or metal container with a resistant inner liner. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal**

P501

Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 CFR Part 261, EU: 91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.).

**Other hazards**

None

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

Substance/mixture:

Substance

Components:

3-Chloropropyltrichlorosilane

Percent:

&gt;97.0%(GC)

CAS RN:

2550-06-3

Molecular Weight:

211.97

Chemical Formula:

 $C_3H_6Cl_4Si$ **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

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**Indication of any immediate medical attention:**

Not available.

**Notes to physician:**

No data available

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

Dry chemical, foam, carbon dioxide.

**Unsuitable extinguishing media:**

Water (It may scatter and spread fire.)

**Hazardous combustion products:**

These products include: Carbon oxides Silicates

**Other specific hazards:**

WARNING: Highly toxic HCl gas is produced during combustion.

**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:**

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

**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

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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****Storage conditions:**

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

**Packaging material:**

Comply with laws.

**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.

**Personal protective equipment**

Respiratory protection: Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc.

Use respirators approved under appropriate government standards and 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:	Acrylic
Odor threshold:	No data available
Melting point/freezing point:	No data available
pH:	No data available
Boiling point/range:	178°C (352°F)
Vapor pressure:	No data available.

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Decomposition temperature:	No data available
Vapor density:	>1
Relative density:	1.36
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:	84°C (183°F)
Autoignition temperature:	No data available
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

## SECTION 10: Stability And Reactivity

### Reactivity

no data available

### Chemical stability

Stable under proper conditions.

### Possibility of hazardous reactions

Decomposes in contact with water and liberates toxic gases.

### Conditions to avoid

Open flame, Moisture

### Incompatible materials

Oxidizing agents, Bases, Water

### 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

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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

**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 (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**SECTION 13: Disposal considerations****Disposal of product:**

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.

**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****DOT (US)**

UN number: UN2987  
Proper Shipping Name: Chlorosilanes, corrosive, n.o.s  
Class or Division: 8 Corrosive material  
Packing Group: II

**IATA**

UN number: UN3082  
Proper Shipping Name: Chlorosilanes, corrosive, n.o.s  
Class or Division: 8 Corrosive material  
Packing Group: II

**IMDG**

UN: UN3082  
Proper Shipping Name: Chlorosilanes, corrosive, n.o.s  
Class or Division: 8 Corrosive material  
Packing Group: II  
EmS number: F-A, S-B

**SECTION 15:Regulatory Information****Toxic Substance Control Act (TSCA 8b.):**

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

**US Federal Regulations****CERCLA Hazardous substance and Reportable Quantity:**

SARA 313: Not Listed  
SARA 302: Not Listed

**State Regulations****State Right-to-Know**

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

**Other Information**

NFPA Rating: HMIS Classification:  
Health: 2 Health: 2  
Flammability: 2 Flammability: 2  
Instability: 0 Physical: 0

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**International Inventories**

Canada: DSL

On NDSL

EC-No:

219-844-8

**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.