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

Product Name: SiSiB® PC5931

Chemical Name: Trimethoxy(propyl)silane

**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 &amp; 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 [EU-GHS/CLP]**

Flammable liquids (Category 3)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity (Category 3)

- single exposure

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Flammable. Irritating to eyes, respiratory system and skin.

**Label elements****Labelling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram



Signal word

Warning

Hazard statement(s)

H226

Flammable liquid and vapor.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P305 + P351 + P338

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.

Supplemental Hazard  
Statements

none

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

Hazard symbol(s)



R-phrases(s)

R10

Flammable.

R36/37/38

Irritating to eyes, respiratory system and skin.

S-phrases(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36

Wear suitable protective clothing.

**Other hazards** - none

### SECTION 3: Composition/information on ingredients

Synonyms: Propyltrimethoxysilane  
Formula:  $C_6H_{16}O_3Si$   
Molecular Weight: 164,27 g/mol

Component	Classification	Concentration
<b>Trimethoxypropylsilane</b>		
CAS-No. 1067-25-0 EC-No. 213-926-7		-

### SECTION 4: First aid measures

#### Description of first aid measures

##### General advice

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

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

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water. Consult a physician.

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

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

no data available

## 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.

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

Carbon oxides, silicon oxides

#### Advice for firefighters

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).

### Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### Precautions for safe handling

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

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

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charge.

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

Store in cool place. 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. Moisture sensitive.

**Specific end uses**

no data available

**SECTION 8: Exposure Controls/Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls**

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

**Personal protective equipment****Eye/face 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 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.

**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.

**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).

**SECTION 9: Physical and Chemical Properties**

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**Information on basic physical and chemical properties**

- |   |   |
|---|---|
| a) Appearance                                   | Form: clear, liquid<br>Color: colorless |
| b) Odor   | no data available                       |
| c) Odor Threshold                               | no data available                       |
| d) pH   | no data available                       |
| e) Melting point/freezing point                 | no data available                       |
| f) Initial boiling point and boiling range      | 142 °C - lit.                           |
| g) Flash point                                  | 36 °C - closed cup                      |
| h) Evaporation rate                             | no data available                       |
| i) Flammability (solid, gas)                    | no data available                       |
| j) Upper/lower flammability or explosive limits | no data available                       |
| k) Vapor pressure                               | 62,0 hPa at 55 °C<br>10,4 hPa at 20 °C  |
| l) Vapor density                                | no data available                       |
| m) Relative density                             | 0,932 g/cm <sup>3</sup> at 25 °C        |
| n) Water solubility                             | no data available                       |
| o) Partition coefficient: noctanol/water        | no data available                       |
| p) Autoignition temperature                     | no data available                       |
| q) Decomposition temperature                    | no data available                       |
| r) Viscosity                                    | no data available                       |
| s) Explosive properties                         | no data available                       |
| t) Oxidizing properties                         | no data available                       |

**Other safety information**

no data available

**SECTION 10: Stability And Reactivity****Reactivity**

no data available

**Chemical stability**

no data available

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

acids, Bases, Alcohols, Strong oxidizing agents, Material generates methanol on contact with water or moisture

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**Hazardous decomposition products**

Other decomposition products - no data available

**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**

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**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation

**Ingestion** May be harmful if swallowed.

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

**Eyes** Causes serious eye irritation.

**Additional Information**

RTECS: Not available

**SECTION 12: Ecological Effects****Toxicity**

no data available

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**Persistence and degradability**

no data available

**Bioaccumulative 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****UN number**

ADR/RID: 1993

IMDG: 1993

IATA: 1993

**UN proper shipping name**

ADR/RID: FLAMMABLE LIQUID, N.O.S. (Trimethoxypropylsilane)

IMDG: FLAMMABLE LIQUID, N.O.S. (Trimethoxypropylsilane)

IATA: Flammable liquid, n.o.s. (Trimethoxypropylsilane)

**Transport hazard class(es)**

ADR/RID: 3

IMDG: 3

IATA: 3

**Packaging group**

ADR/RID: III

IMDG: III

IATA: III

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

no data available

**SECTION 15: Regulatory Information**

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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 data available

## 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.