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

### Product Identifier

Product Name: SiSiB® PC5952  
 Chemical Name: Isobutyltriethoxysilane  
 CAS-No.: 17980-47-1  
 EC-No.: 402-810-3

### 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

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

Skin irritation (Category 2)  
 According to European Directive 67/548/EEC as amended.  
 Irritating to skin.

### Label elements

Pictogram



Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
Precautionary statement(s)	none
Hazard symbol(s)	
Xi	Irritant
R-phrases(s)	
R38	Irritating to skin.
S-phrases(s)	
S24	Avoid contact with skin.

**Other hazards** - none

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

Synonyms:	Isobutyltriethoxysilane Triethoxy(isobutyl)silane
Formula:	C <sub>10</sub> H <sub>24</sub> O <sub>3</sub> Si
Molecular Weight:	220,38 g/mol

. Component	Classification	Concentration
Triethoxy(isobutyl)silane		
CAS-No. 17980-47-1 EC-No. 402-810-3 Index-No. 014-007-00-1	Skin Irrit. 2; H315 Xi, R38	-

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

**SECTION 4: 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**

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.

**SECTION 5: Firefighting measures****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 protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**

Use water spray to cool unopened containers.

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**SECTION 6: Accidental release measures****Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. 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). Keep in suitable, closed containers for disposal.

**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 charge.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Store under inert gas. Moisture sensitive.

**SECTION 8: Exposure controls/personal protection****Personal protective equipment****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).

**Hand 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

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standard EN 374 derived from it.

### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin and body protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Hygiene measures

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

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

a) Appearance	Form: liquid
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	165 °C at 533 hPa - lit. 190 - 191 °C - lit.
g) Flash point	63 °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	no data available
l) Vapor density	no data available
m) Relative density	0,88 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

## SECTION 10: Stability and reactivity

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**Chemical stability**

Stable under recommended storage conditions

**Conditions to avoid**

Avoid moisture.

Heat, flames and sparks.

**Materials to avoid**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, 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**

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.

**Signs and Symptoms of Exposure**

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

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thoroughly investigated.

**Additional Information**

RTECS: Not available

**SECTION 12: Ecological information****Toxicity**

no data available

**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****Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. 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: Transportation information****Road ADR:**

Valuation:	Dangerous Goods
UN no:	1993
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S
Class:	3
Packaging Group:	III

**Railway RID:**

Valuation:	Dangerous Goods
UN no:	1993

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Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.  
 Class: 3  
 Packaging Group: III

**Transport by sea IMDG-Code:**

Valuation: Dangerous Goods  
 UN no: 1993

Proper Shipping Name: Flammable liquid, n.o.s.  
 Class: 3  
 Packaging Group: III

**Air transport ICAO-TI/IATA-DGR:**

Valuation: Dangerous Goods  
 UN no: 1993  
 Proper Shipping Name: Flammable liquid, n.o.s.  
 Class: 3  
 Packaging Group: III

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:**

Bulk transport in tankers is not intended.

## SECTION 15: Regulatory information

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

## SECTION 16: Other information

**Text of H-code(s) and R-phrase(s) mentioned in Section 3**

H315	Causes skin irritation.
Skin Irrit.	Skin irritation
Xi	Irritant
R38	Irritating to skin.

**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.