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

Product Name: SiSiB® PC1118

Chemical Name: Bis[3-(trimethoxysilyl)propyl]amine

**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****2.1 Classification of the substance or mixture**

According to Regulation (EC) No1272/2008

Acute toxicity, Inhalation (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Specific target organ toxicity - single exposure (Category 3)

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

Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin.

**2.2 Label elements**

Pictogram



Signal word

Danger

Hazard statement(s)

H315

Causes skin irritation.

H318

Causes serious eye damage.

H332

Harmful if inhaled.

H335

May cause respiratory irritation.

Precautionary statement(s)

P261

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

P280

Wear protective gloves/ eye protection/ face protection.

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P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard symbol(s)

Xn

Harmful

R-phrases(s)

R20/22

Harmful by inhalation and if swallowed.

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//37/39

Wear suitable protective clothing, gloves and eye/face protection.

2.3 Other hazards – none

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Synonyms:

3,3'-Bis(trimethoxysilyl)dipropylamine

Formula:

 $C_{12}H_{31}NO_6Si_2$ 

Molecular Weight:

341,55 g/mol

CAS-No.	EC-No.	Index-No.	Classification	Concentration
<b>Bis(trimethoxysilylpropyl)amine</b>				
82985-35-1	280-084-5	-	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H315, H318, H332, H335 Xn, R20/22 - R36/37/38	-

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

### SECTION 4: First aid measures

#### 4.1 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.

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**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**SECTION 6: Accidental release measures****6.1 Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**6.2 Environmental precautions**

Do not let product enter drains.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

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

Normal measures for preventive fire protection.

**7.2 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.

**SECTION 8: Exposure Controls/Personal Protection****8.1 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**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

**Eye protection**

Face shield and safety glasses.

**Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**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****9.1 Appearance**

Form	clear, liquid
Color	light yellow

**9.2 Safety data**

pH	no data available
Melting point	no data available
Boiling point	152 °C at 5 hPa - lit.
Flash point	110 °C - closed cup
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Density	1,04 g/cm <sup>3</sup> at 25 °C
Water solubility	no data available

**SECTION 10: Stability And Reactivity****10.1 Chemical stability**

Stable under recommended storage conditions.

**10.2 Conditions to avoid**

No data available.

**10.3 Materials to avoid**

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Water.

**10.4 Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), silicon oxides

**SECTION 11: Toxicological Information****11.1 Information on toxicological effects****Acute toxicity**

LD50 Oral - rat - 3.762 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Change in motor activity (specific assay). Gastrointestinal: Other changes.

LD50 Dermal - rabbit - 13.585 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration: Other changes. Prolonged skin contact may cause skin irritation and/or dermatitis.

**Skin corrosion/irritation**

Skin - rabbit - Skin irritation

**Serious eye damage/eye irritation**

Eyes - rabbit - Severe eye irritation

**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**

Inhalation - May cause respiratory irritation.

**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 eye irritation

**Signs and Symptoms of Exposure**

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Cough, Shortness of breath, Headache, Nausea, Vomiting, Conjunctivitis., Lachrymation, Dermatitis, Damage to the eyes., Liver injury may occur.

**Additional Information**

RTECS: TX2101000

**SECTION 12: Ecological Effects****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport Information****ADR/RID**

UN-Number: 3082 Class: 9

Packing group: III

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis(trimethoxysilylpropyl)amine)

**IMDG**

UN-Number: 3082 Class: 9

Packing group: III

EMS-No: F-A, S-F

Proper shipping name:

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ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis(trimethoxysilylpropyl)amine)

Marine pollutant: Marine pollutant

**IATA**

UN-Number: 3082 Class: 9

Packing group: III

Proper shipping name:

Environmentally hazardous substance, liquid, n.o.s. (Bis(trimethoxysilylpropyl)amine)

**Further information**

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

**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-phrases mentioned in Section 3**

Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
Xn	Harmful
R20/22	Harmful by inhalation and if swallowed
R36/37/38	Irritating to eyes, respiratory system and 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.