

Version 5.1R

Page 1 / 6

Revision Date 14.08.2019

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

Product Name: SiSiB® PC1108  
Chemical Name: Bis[(3-triethoxysilyl)propyl]amine  
CAS-No.: 13497-18-2  
EC-No.: 236-818-1

**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 according to Regulation (EC) No. 1272/2008 [CLP]**

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.

Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact.

**Classification as per Directive 67/548/EC or Directive 1999/45/EC**

Xi, Irritant

R36/38: Irritating to eyes and skin.

**Label elements**

Pictogram



Symbol(s)

Signal word

Danger

Hazard statement

H314 – Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H318 - Causes serious eye irritation.

H335 – May cause respiratory irritation.

Version 5.1R

Page 2 / 6

Revision Date 14.08.2019

## Precautionary statement

P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P280 - Wear protective gloves/protective clothing/eye protection.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

According to European Directive 67/548/EEC as amended



Hazard symbol(s)

**R-phrases(s)**

R34

Causes burns.

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.

**Other hazards** – none**SECTION 3: Composition/information on ingredients**

Formula:	$C_{18}H_{43}NO_6Si_2$
Molecular Weight:	425.71 g/mol
CAS-No.	13497-18-2
EC-No.	236-818-1

**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**

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**

Version 5.1R

Page 3 / 6

Revision Date 14.08.2019

**Suitable extinguishing media**

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

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

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), silicon oxides

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

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

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

**Environmental precautions**

Do not let product enter drains.

**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****Precautions for safe handling**

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

Normal measures for preventive fire protection.

**Conditions for safe storage**

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.

**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**

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

Version 5.1R

Page 4 / 6

Revision Date 14.08.2019

Handle with gloves.

**Eye protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin and body 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.

**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**

Physical state	liquid
Color	colorless to yellowish
pH	no data available
Melting point/range	no data available
Boiling point/range	160 °C (0.6mmHg)
Flash point:	≥ 70 °C-closed cup
Ignition temperature	no data available
Refractive index	1.429 (25 °C)
Vapor pressure	no data available
Density	0.9730 g/cm <sup>3</sup> (20 °C)
Water solubility	no data available
Viscosity, dynamic	no data available

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

Stable under recommended storage conditions.

**Conditions to avoid**

Heat, flames and sparks, water.

**Materials to avoid**

Strong oxidizing agents, strong acids

**Hazardous decomposition products**

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

Version 5.1R

Page 5 / 6

Revision Date 14.08.2019

**SECTION 11: Toxicological Information****Acute toxicity**

LD50 Oral            rat            3762 mg/kg  
LD50 Dermal        rabbit        13585 mg/kg

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

Eyes - rabbit - Severe eye irritation

**Sensitization**

no data available

**Chronic exposure**

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.

**Signs and symptoms of exposure**

Cough, shortness of breath, headache, nausea, vomiting, conjunctivitis, lachrymation, dermatitis, damage to the eyes, liver injury may occur.

**Potential health effects****Inhalation**

Harmful if inhaled. Cause respiratory tract irritation.

**Ingestion**

May be harmful if swallowed.

**Skin**

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

**Eyes**

Causes eye burns.

**Additional Information**

RTECS: TX2101000.

**SECTION 12: Ecological Effects****Elimination information**

no data available

**Ecotoxicity effects**

no data available

**Further information on ecology**

no data available

**SECTION 13: Disposal considerations**

Version 5.1R

Page 6 / 6

Revision Date 14.08.2019

**Product**

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: 2735

IMDG: 2735

IATA: 2735

**UN proper shipping name**

ADR/RID: AMINES, LIQUID, CORROSIVE, N.O.S. (Bis[3-(triethoxysilyl)propyl]amine)

IMDG: AMINES, LIQUID, CORROSIVE, N.O.S. (Bis[3-(triethoxysilyl)propyl]amine)

IATA: AMINES, LIQUID, CORROSIVE, N.O.S. (Bis[3-(triethoxysilyl)propyl]amine)

**Transport hazard class(es)**

ADR/RID: 8

IMDG: 8

IATA: 8

**Packing group**

ADR/RID: III

IMDG: III EMS-NO.: F-E, S-E

IATA: III

**Environmental hazards**

ADR/RID: no

IMDG Marine Pollutant: no

IATA: no

**Special precautions for user**

no data available

**SECTION 15:Regulatory Information**

National legislation

**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.