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

Product Name: SiSiB® PC1210  
Chemical Name: N-(2-aminoethyl)-3-aminopropyltriethoxysilane  
CAS-No.: 5089-72-5  
EC-No.: 225-806-1

**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]**

Skin irritation (Category 2)

Serious eye damage (Category 1)

Skin sensitization (Category 1)

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

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

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

Symbol(s)

Signal word

Danger

**Hazard statement(s)**

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

**Precautionary statement(s)**

P280

Wear protective gloves/ eye protection/ face 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.

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Hazard symbol(s)

Xi Irritant

**R-phrases(s)**

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

**S-phrases(s)**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

**Other hazards** – none**SECTION 3: Composition/information on ingredients**Formula:  $C_{11}H_{28}N_2O_3Si$ 

Molecular Weight: 264.44 g/mol

CAS-No. 5089-72-5

EC-No. 225-806-1

Substance Name	CAS-No.	EC-No.	Concentration
N-(2-aminoethyl)-3-aminopropyltriethoxysilane	5089-72-5	225-806-1	≥97.0%
Ethanol	64-17-5	200-578-6	≤0.5%
Polymer	N.A.	N.A.	≤2.5%

**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****Suitable extinguishing media**

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

**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.

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

**Conditions for safe storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated 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**

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

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**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****Information on basic physical and chemical properties**

Form	liquid
Color	colorless
Odor	mild amine (ammonia-like) odor.
pH	>9
Melting point	no data available
Boiling point	273°C [760 mmHg]
Freezing Point	<0°C
Flash point	123 °C- closed cup
Refractive Index	1.436 (25°C)
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	<5mm at 25 °C
Density	0.965 g/cm <sup>3</sup> at 20 °C
Water solubility	no data available

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

Stable under recommended storage conditions.

**Conditions to avoid**

no data available

**Materials to avoid**

Oxidizing agents, Water and acids react with material to liberate methanol. Heat of reaction may ignite vapors of the alcohol, acids

**Hazardous decomposition products**

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

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

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

Eyes - rabbit - Severe eye irritation

**Respiratory or skin sensitization**

May cause allergic skin reaction.

**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. May cause 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.

**Signs and Symptoms of Exposure**

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

**Additional Information**

No data available.

**SECTION 12: Ecological Effects**

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**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. Observe all federal, state, and local environmental regulations. 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. (N-(2-aminoethyl)-3-aminopropyltriethoxysilane)

IMDG: AMINES, LIQUID, CORROSIVE, N.O.S. (N-(2-aminoethyl)-3-aminopropyltriethoxysilane)

IATA: AMINES, LIQUID, CORROSIVE, N.O.S. (N-(2-aminoethyl)-3-aminopropyltriethoxysilane)

**Transport hazard class(es)**

ADR/RID: 8

IMDG: 8

IATA: 8

**Packing 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

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**SECTION 15:Regulatory Information**

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

**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.