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

Product Name: SiSiB® PC1830  
 Chemical Name: [3-(Diethylamino)propyl]trimethoxysilane  
 CAS-No.: 41051-80-3  
 EC-No.: 255-192-0

**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**

According to Regulation (EC) No1272/2008

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 eyes, respiratory system and skin. Risk of serious damage to eyes.

**Label elements**

Pictogram



Signal word

Danger

Hazard statement(s)

H315

Causes skin irritation.

H318

Causes serious eye damage.

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.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove

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Hazard symbol(s)	contact lenses, if present and easy to do. Continue rinsing.
Xi	Irritant
R-phrases(s)	
R37/38	Irritating to eyes, respiratory system and skin.
R41	Risk of serious damage to eyes.
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.
<b>Other hazards</b> - none	

### SECTION 3: Composition/information on ingredients

Synonyms:	N,N-Diethyl-3-(trimethoxysilyl)propylamine
Formula:	C <sub>10</sub> H <sub>25</sub> NO <sub>3</sub> Si
Molecular Weight:	235,4 g/mol

CAS-No.	EC-No	Index-No.	Classification	Concentration
<b>N,N-Diethyl-3-(trimethoxysilyl)propylamine</b>				
41051-80-3	255-192-0	-	Skin Irrit. 2; Eye Dam.1; STOT SE 3; H315, H318, H335 Xi, R37/38- R41	100%

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

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**

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. Evacuate personnel to safe areas.

**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**

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. Store in cool place. Moisture sensitive. Store under nitrogen.

**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

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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.

**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**

Complete suit protecting against chemicals, 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                          |
| Color:                 | light yellow                    |
| b) Safety data         |                                 |
| PH                     | no data available               |
| Melting point          | no data available               |
| Boiling point          | 120 °C at 27 hPa - lit.         |
| Flash point            | 100°C - closed cup              |
| Ignition temperature   | no data available               |
| Lower explosion limit  | no data available               |
| Upper explosion limit  | no data available               |
| Density                | 0,95 g/cm <sup>3</sup> at 25 °C |
| Water solubility       | no data available               |
| Partition coefficient: |                                 |
| n-octanol/water        | log Pow: 3,906                  |

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

Stable under recommended storage conditions.

**Conditions to avoid**

no data available

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**Materials to avoid**

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

**Hazardous decomposition products**

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

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. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

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

**Eyes** Causes eye burns.

**Signs and Symptoms of Exposure**

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

Material may form a siloxane polymer on the skin, eyes, or in the lungs. In the event of direct contact of the liquid with these tissues, seek medical attention.

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**Additional Information**

RTECS: Not available

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

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****ADR/RID**

UN-Number: 2735

Class: 8

Packing group: II

Proper shipping name:

AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylaminopropyltrimethoxysilane)

**IMDG**

UN-Number: 2735

Class: 8

Packing group: II

EMS-No: F-A, S-B

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Proper shipping name:

AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylaminopropyltrimethoxysilane)

Marine pollutant: No

#### IATA

UN-Number: 2735

Class: 8

Packing group: II

Proper shipping name:

AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylaminopropyltrimethoxysilane)

### 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

Eye Dam.	Serious eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
Xi	Irritant
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.

#### 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.