

Version 5.1R

Page 1 / 7

Revision Date 13.08.2020

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

Version 5.1R	Page 2 / 7	Revision Date 13.08.2020
--------------	------------	--------------------------

	contact lenses, if present and easy to do. Continue rinsing.
Hazard symbol(s)	
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.
Other hazards - none	

SECTION 3: Composition/information on ingredients

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

CAS-No.	EC-No	Index-No.	Classification	Concentration
N,N-Diethyl-3-(trimethoxysilyl)propylamine				
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

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 ³ 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

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.

Version 5.1R

Page 6 / 7

Revision Date 13.08.2020

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

Version 5.1R

Page 7 / 7

Revision Date 13.08.2020

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-phras(e)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.