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SECTION 1: Identification of the substance/mixture and of the company

Product Identifier

Product Name: SiSiB® PC1800
 Chemical Name: Diethylaminomethyltriethoxysilane
 CAS-No.: 15180-47-9

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 corrosion Category 1B
 Acute toxicity, Oral Category 4
 According to European Directive 67/548/EEC as amended.
 Causes burns. Harmful if swallowed.

Label elements

Pictogram



Signal word

Flammable (main)

Corrosive (sub)

Hazard statement(s)

H225 Highly flammable liquid and vapor.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

According to European Directive 67/548/EEC as amended

Hazard symbol(s)

C Corrosive

R-phrases(s)

R10 flammable

R34 Causes burns.

R35 Causes severe 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.

S27 Take off immediately all contaminated clothing.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards none

SECTION 3: Composition/information on ingredients

Formula: $C_{11}H_{27}NO_3Si$

Molecular Weight: 249.42 g/mol

Substance Name: Diethylaminomethyltriethoxysilane

CAS-No.	EC-No.	Classification	Concentration
15180-47-9	-----	Skin Corr. 1B; H314, H315, H335, C, R34, R37/38	>97%

SECTION 4: First aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. 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

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Do NOT induce vomiting. 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 firefighting if necessary.

Further information

Under fire conditions, material may decompose to form flammable and/or explosive mixtures in air.

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 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.

Moisture sensitive. Store under inert gas.

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

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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

Tightly fitting safety goggles. Faceshield (8-inch minimum).

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**

Appearance	Form: clear liquid
Color	Colorless to straw
Molecular Formula	C ₁₁ H ₂₇ NO ₃ Si
Molecular Weight	249.42 AMU
pH	no data available
Initial boiling point/ boiling range	110-130°C [5mmHg] 237°C [760mmHg]
Melting point/ Melting point range	no data available
Freezing point	no data available
Vapor pressure:	0.0467 mmHg at 25°C
Vapor density:	>1 g/l
Saturated Vapor Conc	no data available
SG/Density	0.906 g/cm ³
Bulk Density	N/A
Odor Threshold	N/A
Volatile	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A

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Partition Coefficient	N/A
Decomposition Temp	N/A
Flash Point	>50 °C Method: closed cup
Explosion Limits Lower	N/A
Upper	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	1.414
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A
N/A = not available	

SECTION 10: Stability And Reactivity

Chemical stability

May decompose on exposure to moist air or water. Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Strong oxidizing agents, Acids

Hazardous decomposition products

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

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Oral - rat - 1.780 mg/kg

LD50 Dermal - rabbit - 3,8 g/kg

Skin corrosion/irritation

Skin - rabbit - Severe skin irritation - 24 h

Serious eye damage/eye irritation

Eyes - rabbit - Severe eye irritation - 24 h

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

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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. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion

Harmful if swallowed. Causes burns.

Skin

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

Eyes

Causes eye burns.

Signs and Symptoms of Exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

Additional Information

RTECS: TX2100000

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

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Other adverse effects

no data available

SECTION 13: Disposal considerations**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: 2924

Class or Division: 3

Subsidiary Risk: 8

Packing group: III

Proper shipping name:

Flammable liquid, corrosive, n.o.s

IMDG

UN-Number: 2924

Class or Division: 3

Subsidiary Risk: 8

Packing group: III

Proper shipping name:

Flammable liquid, corrosive, n.o.s

IATA

UN-Number: 2924

Class or Division: 3

Subsidiary Risk: 8

Packing group: III

Proper shipping name:

Flammable liquid, corrosive, n.o.s

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**

Acute Tox.	Acute toxicity
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
Skin Corr.	Skin corrosion
C	Corrosive
R22	Harmful if swallowed.
R34	Causes burns.

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.