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

Product Name: SiSiB® PC2200
Chemical Name: BIS[3-(TRIETHOXYSILYL)PROPYL]DISULFIDE
CAS-No.: 56706-10-6
EC-No.: 260-350-7

Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified Chemical intermediate
For research and industrial use only

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****Classification according to REGULATION (EC) No 1272/2008[EU-GHS/CLP]**

Serious eye damage/eye irritation Category 2 H319

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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

Pictogram



Signal word

Warning

Hazard statement(s)

H319

Causes serious eye irritation

Precautionary statement(s):

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

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P264 Wash hands thoroughly after handling
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards**Other hazards not contributing to the classification**

The hydrolysis product of this compound is ethanol. This product reacts with water in the acid contents of the stomach to form ethanol.

SECTION 3: Composition/information on ingredients**Substances**

Synonyms BIS(TRIETHOXYSILYL)-4,5-DITHIOOCTANE
 Formula $C_{18}H_{42}O_6S_2Si_2$
 Molecular Weight 486 g/mol
 CAS-No.: 56706-10-6
 EC-No.: 260-350-7

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bis[3-(triethoxysilyl)propyl]disulfide	(CAS-No.)56706-10-6 (EC-No.) 260-350-7	> 85	Eye Irrit. 2, H319
Bis[3-(triethoxysilyl)propyl]disulfide	(CAS-No.)56706-10-6 (EC-No.) 260-350-7	< 10	Eye Irrit. 2, H319
Bis[3-(triethoxysilyl)propyl]disulfide	(CAS-No.)56706-10-6 (EC-No.) 260-350-7	< 5	Eye Irrit. 2, H319

Full text of H-statements: see section 16

Mixtures

Not applicable

SECTION 4: First aid measures**General advice**

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

In case of skin contact

Wash with plenty of soap and water.

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In case of eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.

If swallowed

Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact May cause skin irritation.
- Symptoms/effects after eye contact Causes serious eye irritation.
- Symptoms/effects after ingestion May be harmful if swallowed.

Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray, Water fog, Alcohol-resistant foam, Carbon dioxide, Dry chemical

Special hazards arising from the substance or mixture

Fire hazard Combustible liquid. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Advice for firefighters

Firefighting instructions Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.
Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures Remove ignition sources. Use special care to avoid static electric charges.

For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

For emergency responders

Protective equipment Equip cleanup crew with proper protection.

Environmental precautions:

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Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

Methods for cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid all eye and skin contact and do not breathe vapor and mist. Provide good ventilation in process area to prevent formation of vapor. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Technical measures

Ground/bond container and receiving equipment.

Storage conditions

Keep container tightly closed.

Incompatible materials

Oxidizing agent.

Storage area

Store in a well-ventilated place. Store away from heat.

Specific end use(s)

no data available

SECTION 8: Exposure Controls/Personal Protection

Control parameters

No additional information available.

Exposure controls

Appropriate engineering controls

Provide local exhaust or general room ventilation.

Personal protective equipment

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Neoprene or nitrile rubber gloves

Eye protection

Chemical goggles. Contact lenses should not be worn.

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Skin and body protection

Wear suitable protective clothing.

Respiratory protection

NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and Chemical Properties**Information on basic physical and chemical properties**

Physical state	liquid
Appearance	liquid
Odor	Sulfurous
Odor Threshold	no data available
pH	no data available
Relative evaporation rate (butylacetate=1)	no data available
Melting point	no data available
Freezing point	no data available
Boiling point	250 °C (decomposes)
Flash point:	75 ⁰ C
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	Combustible liquid
Vapor pressure:	< 1 mm Hg @ 25°C
Relative vapor density at 20 °C	> 1
Relative density	1.025
% Volatiles :	< 5 %
Solubility:	Reacts with water
Log Pow	no data available
Log Kow	no data available
Viscosity, kinematic	no data available
Viscosity, dynamic	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Explosive limits	no data available

Other safety information

no data available

SECTION 10: Stability And Reactivity**Reactivity**

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no data available

Chemical stability

Stable in sealed containers.

Possibility of hazardous reactions

Material decomposes slowly in contact with moist air or with water liberating ethanol. Hazardous polymerization will not occur.

Conditions to avoid

Heat. Open flame. Sparks.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Ethanol. Organic acid vapors. Silicon dioxide. Sulfur dioxide.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Not classified

Bis[3-(triethoxysilyl)propyl]tetrasulfide (40372-72-3)	
LD50 oral rat	16400 mg/kg
ATE CLP (oral)	16400 mg/kg bodyweight

Bis[3-(triethoxysilyl)propyl]disulfide (56706-10-6)	
LD50 oral rat	> 2000 mg/kg

Skin corrosion/irritation

Not classified

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity - single exposure

Not classified

Specific target organ toxicity - repeated exposure

Not classified

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Aspiration hazard

Not classified

Symptoms/effects after inhalation

May cause irritation to the respiratory tract.

Symptoms/effects after skin contact

May cause skin irritation.

Symptoms/effects after eye contact

Causes serious eye irritation.

Symptoms/effects after ingestion

May be harmful if swallowed.

Reason for classification

Expert judgment

SECTION 12: Ecological Effects

Toxicity

Acute aquatic toxicity Not classified

Chronic aquatic toxicity Not classified

Persistence and degradability

no data available

Bioaccumulative potential

Bis[3-(triethoxysilyl)propyl]tetrasulfide (40372-72-3)	
BCF fish 1	(low potential to bioaccumulate)

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

Waste treatment methods

Product/Packaging disposal recommendations

Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.

Ecology - waste materials

Avoid release to the environment.

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SECTION 14:Transport Information**UN number**

Not regulated for transport.

UN proper shipping name

Not applicable

Transport hazard class(es)

Not applicable

Packing group

Not applicable

Environmental hazards

Other information

No supplementary information available.

Special precautions for user

no data available

SECTION 15:Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

Chemical Safety Assessment

no data available.

SECTION 16:Other Information

Full text of H- and EUH-statements:

Eye Irrit. 2

Serious eye damage/eye irritation, Category 2

H319

Causes serious eye irritation

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.