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

Product Identifier

Product Name: SiSiB® PC5802

Chemical Name: n-DECYLTRIETHOXYSILANE

CAS-No.: 2943-73-9 EC-No.: 220-940-7

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

Classification according to Regulation (EC) No 1272/2008 [CLP]

Serious eye damage/eye irritation Category 2 H319 For the full text of the H-Statements mentioned in this Section, see Section 16.

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.

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



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rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Supplemental Hazard Statements none

Other hazards

Other hazards not contributing to the classification

Additional ethanol may be formed by reaction with moisture and water. The hydrolysis product of this compound is ethanol. Overexposure to ethanol by skin absorption, inhalation or ingestion may have a narcotic effect (headache, nausea, drowsiness). Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis, CNS depression and death due to respiratory arrest. The US OSHA PEL (TWA) for ethanol is 1000 ppm. This product contains ethanol which is classified as a carcinogen by IARC in alcoholic beverages.

SECTION 3: Composition/information on ingredients

Substances

Formula: $C_{16}H_{36}O_3Si$ Molecular Weight: 304.54 g/mol CAS-No.: 2943-73-9 EC-No.: 220-940-7

Component	Classification	Concentration	
Decyltriethoxysilane			
	Eye Irrit. 2, H319	95 - 100%	

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general

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 exposed or concerned: Get medical advice/attention.

If inhaled

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

In case of skin contact

Wash with plenty of soap and water. Get medical advice/attention.

In case of eye contact

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



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If swallowed

Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

Symptoms/injuries after skin contact

May cause skin irritation.

Symptoms/injuries after eye contact

May cause eye irritation.

Symptoms/injuries after ingestion

May be harmful if swallowed

Chronic symptoms

On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system.

Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media

Do not use straight streams.

Special hazards arising from the substance or mixture

Fire hazard

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 to cool exposed surfaces. 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 vapour and mist.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures For non-emergency personnel



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Protective equipment Wear protective equipment as described in Section 8.

Emergency procedures Evacuate unnecessary personnel.

For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment.

Equip cleanup crew with proper protection. For further information

refer to section 8: "Exposure controls/personal protection".

Environmental precautions:

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

Methods and materials for containment and cleaning up

For containment Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams.

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.

Reference to other sections

See section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

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.

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

Storage conditions Keep container tightly closed.

Incompatible materials Moisture. Water

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 data available.

Exposure controls

Appropriate engineering controls



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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

Skin and body protection

Wear suitable protective clothing

Respiratory protection

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Form: clear liquid Molecular mass 304.54 g/mol

Color straw Odor mild

Odor Threshold no data available

Refractive index 1.422

pH no data available Relative evaporation rate (butyl acetate=1) no data available Melting point no data available

Freezing point < 0 °C

Boiling point 150 K @ 8 mm Hg

Flash point: > 110 °C

Auto-ignition temperature no data available
Decomposition temperature no data available
Flammability (solid, gas) no data available
Vapor pressure: < 1 mm Hg 75°C

Relative vapor density at 20 °C > 1
Relative density 0.879

Solubility Insoluble in water. Reacts with water.

Log Pow no data available
Log Kow no data available
Viscosity, kinematic no data available
Viscosity, dynamic no data available



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Explosive properties no data available
Oxidizing properties no data available
Explosive limits no data available

Other information no data available

SECTION 10: Stability And Reactivity

Reactivity

No data available

Chemical stability

Stable under proper conditions.

Possibility of hazardous reactions

Reacts with water and moisture in air, liberating methanol.

Conditions to avoid

Heat. Sparks. Open flame.

Incompatible materials

Water. Moisture.

Hazardous decomposition products

Ethanol. Organic acid vapors.

SECTION 11:Toxicological Information

Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure



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No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential adverse human health effects and symptoms

This compound liberates ethanol on contact with moisture. Material generates ethanol on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue.

Symptoms/effects after inhalation

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

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.

Chronic symptoms

On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system.

Reason for classification

Expert judgment

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

This substance may be hazardous to the environment.

SECTION 13:Disposal considerations



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Waste treatment methods

Sewage disposal recommendations

Do not dispose of waste into sewer.

Product/Packaging disposal recommendations

May be incinerated. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials

Avoid release to the environment.

SECTION 14:Transport Information

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

SECTION 15:Regulatory Information

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

No REACH Annex XVII restrictions

n-DECYLTRIETHOXYSILANE is not on the REACH Candidate List

n-DECYLTRIETHOXYSILANE is not on the REACH Annex XIV List

n-DECYLTRIETHOXYSILANE is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

n-DECYLTRIETHOXYSILANE is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC. National regulations

Germany



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12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV:

Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen:

The substance is not listed

SZW-lijst van mutagene stoffen:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling:

The substance is not listed

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16:Other Information

Full text of H-Statements referred to under sections 2 and 3.

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.

