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

Product Name: SiSiB® PC1711
Chemical Name: N-PHENYLAMINOMETHYLTRIETHOXYSILANE
CAS-No.: 3473-76-5

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]**

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

Specific target organ toxicity — Single exposure, Category 3, H335

Respiratory tract irritation

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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

Hazard pictograms (CLP):

Signal word (CLP) :

Hazard statements (CLP) :

Precautionary statements (CLP) :

Warning

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P261 - Avoid breathing vapours.

P264 - Wash hands thoroughly after handling.

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P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P312 - Call a doctor if you feel unwell.

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****Substance type**

Mono-constituent

Name

N-PHENYLAMINOMETHYLTRIETHOXYLANE

CAS-No.

3473-76-5

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------------|---------------------|--------|---|
| N-Phenylaminomethyltriethoxysilane | (CAS-No.) 3473-76-5 | 95-100 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |

Full text of H-statements: see section 16

Mixtures

Not applicable

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.

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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. 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.

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/injuries after inhalation**

No information available.

Symptoms/injuries after skin contact

May cause skin irritation.

Symptoms/injuries after eye contact

May cause eye irritation.

Symptoms/injuries after ingestion

No information available.

Chronic symptoms

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

Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form ethanol.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Water spray. Water fog. 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**

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

Protection during firefighting

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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****For non-emergency personnel**

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

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

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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.

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 combination organic vapor - amine gas (brown cartridge) respirator.

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

| | |
|---|---|
| Appearance | Form: Straw yellow to amber liquid |
| Molecular mass | 269.42 g/mol |
| Color | Straw yellow to amber |
| Odor | mild |
| Odor Threshold | no data available |
| Refractive index | 1.485 |
| pH | no data available |
| Relative evaporation rate (butyl acetate=1) | no data available |
| Melting point | no data available |
| Freezing point | < 0 °C |
| Boiling point | 135 - 137 °C @ 5 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: | < 0.1 mm Hg @ 25°C |
| Relative vapor density at 20 °C | > 1 |
| Relative density | 1.004 |
| Solubility | Insoluble in water. Reacts slowly with water. |
| Log Pow | no data available |
| Log Kow | no data available |

| | | |
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| | |
|----------------------|-------------------|
| 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 information

no data available

SECTION 10: Stability And Reactivity

Reactivity

no data available

Chemical stability

Stable in sealed containers.

Possibility of hazardous reactions

Reacts with water and moisture in air, liberating ethanol.

Conditions to avoid

Heat. Open flame. Sparks

Incompatible materials

Moisture. Water.

Hazardous decomposition products

Organic acid vapors. Ethanol.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Not classified

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

Potential adverse human health effects and symptoms

This compound liberates ethanol on contact with moisture.

| | | |
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| | |
|-------------------------------------|--|
| | 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 respiratory irritation. |
| Symptoms/effects after skin contact | Causes skin irritation. Sustained skin contact can result in potential absorption of harmful amounts of ethanol and substituted aniline compounds. |
| 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

| | |
|--------------------------|----------------|
| Acute aquatic toxicity | Not classified |
| Chronic aquatic toxicity | Not classified |

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No additional information available

Other adverse effects

This substance may be hazardous to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

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

| | | |
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UN number

In accordance with ADR / RID / IMDG / IATA / ADN

| | |
|---------------|----------------|
| UN-No. (ADR) | Not applicable |
| UN-No. (IMDG) | Not applicable |
| UN-No. (IATA) | Not applicable |
| UN-No. (ADN) | Not applicable |
| UN-No. (RID) | Not applicable |

UN proper shipping name

| | |
|-----------------------------|----------------|
| Proper Shipping Name (ADR) | Not applicable |
| Proper Shipping Name (IMDG) | Not applicable |
| Proper Shipping Name (IATA) | Not applicable |
| Proper Shipping Name (ADN) | Not applicable |
| Proper Shipping Name (RID) | Not applicable |

Transport hazard class(es)**ADR**

| | |
|----------------------------------|----------------|
| Transport hazard class(es) (ADR) | Not applicable |
|----------------------------------|----------------|

IMDG

| | |
|-----------------------------------|----------------|
| Transport hazard class(es) (IMDG) | Not applicable |
|-----------------------------------|----------------|

IATA

| | |
|-----------------------------------|----------------|
| Transport hazard class(es) (IATA) | Not applicable |
|-----------------------------------|----------------|

ADN

| | |
|----------------------------------|----------------|
| Transport hazard class(es) (ADN) | Not applicable |
|----------------------------------|----------------|

RID

| | |
|----------------------------------|----------------|
| Transport hazard class(es) (RID) | Not applicable |
|----------------------------------|----------------|

Packing group

| | |
|----------------------|----------------|
| Packing group (ADR) | Not applicable |
| Packing group (IMDG) | Not applicable |
| Packing group (IATA) | Not applicable |
| Packing group (ADN) | Not applicable |
| Packing group (RID) | Not applicable |

Environmental hazards

| | |
|-------------------------------|--|
| Dangerous for the environment | No |
| Marine pollutant | No |
| Other information | No supplementary information available |

Special precautions for user**Overland transport**

No data available

Transport by sea

No data available

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Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15:Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

No REACH Annex XVII restrictions

N-PHENYLAMINOMETHYLTRIETHOXYSILANE is not on the REACH Candidate List

N-PHENYLAMINOMETHYLTRIETHOXYSILANE is not on the REACH Annex XIV List

N-PHENYLAMINOMETHYLTRIETHOXYSILANE 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-PHENYLAMINOMETHYLTRIETHOXYSILANE 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**

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

Is not subject of the 12. BImSchV (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

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

SECTION 16: Other Information**Full text of H- and EUH-statements:**

| | |
|--------------|---|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory 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.