

**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-PHENYLAMINOMETHYLTRIETHOXYSILANE

**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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**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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Symptoms/effects after inhalation	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 skin contact	May cause respiratory irritation.
Symptoms/effects after eye contact	Causes skin irritation. Sustained skin contact can result in potential absorption of harmful amounts of ethanol and substituted aniline compounds.
Symptoms/effects after ingestion	Causes serious eye irritation.
Chronic symptoms	May be harmful if swallowed.
Reason for classification	On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system.
	Expert judgment

## SECTION 12: Ecological Effects

<b>Toxicity</b>	
Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified
<b>Persistence and degradability</b>	
No data available	
<b>Bioaccumulative potential</b>	
No data available	
<b>Mobility in soil</b>	
No data available	
<b>Results of PBT and vPvB assessment</b>	
No additional information available	
<b>Other adverse effects</b>	
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
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### IMDG

Transport hazard class(es) (IMDG)	Not applicable
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### IATA

Transport hazard class(es) (IATA)	Not applicable
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### ADN

Transport hazard class(es) (ADN)	Not applicable
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### RID

Transport hazard class(es) (RID)	Not applicable
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## 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

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**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.