

Version 5.1C

Page 1 / 8

Revision Date 10.05.2020

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

Product Name: SiSiB® PC2510  
Chemical Name: 3-Ureidopropyltrimethoxysilane  
CAS-No.: 23843-64-3  
EC-No.: 245-904-8

**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 Sensitization	Category 2	H315
Serious eye damage	Category 1	H318
Specific target organ toxicity - single exposure	Category 3	H335

**Label elements****Labeling as per (EU) 1272/2008)**

Statutory basis EU-CLP as per Regulation (EU) No.1272/2008  
Symbol(s)



Signal word Danger

Hazard statement H315 - May cause skin irritation.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

Precautionary statement Prevention: P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

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

Version 5.1C	Page 2 / 8	Revision Date 10.05.2020
--------------	------------	--------------------------

Precautionary statement Reaction: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal accordance with local regulation.

**Other hazards**

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

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

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No.1272/2008

**3-Ureidopropyltrimethoxysilane**

CAS-No.	23843-64-3	
EC-No.	245-904-8	
Concentration	<= 100 %	
Skin Sensitization	Category 2	H315
Serious eye damage	Category 1	H318
STOT Sensitization	Category 3	H335

**SECTION 4: First aid measures****Description of first aid measures**

Take off all contaminated clothing immediately.

**Inhalation:**

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

**Skin contact:**

Wash off immediately with plenty of water.

Consult a doctor in the event of permanent skin irritation.

**Eye contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Protect unharmed eye.

Call ambulance. (Cue: caustic burn of the eyes)

Immediate further treatment in eye clinic/by eye doctor. Continue rinsing eye until arrival at ophthalmic hospital.

**Ingestion:**

Have the mouth rinsed with water.

Only when patient fully conscious:

Version 5.1C

Page 3 / 8

Revision Date 10.05.2020

Have patient drink plenty of water in small sips.

Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11

**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 (CO<sub>2</sub>)
- Dry powder

Unsuitable extinguishing media: high volume water jet

**Special hazards arising from the substance or mixture**

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), silicon oxides

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Special protective equipment for firefighters:**

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

In case of fire: wear a self-contained respiratory apparatus

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

**Environmental precautions:**

Do not allow entrance in sewage water, soil stretches of water, groundwater, and drainage systems.

**Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Fill into marked, sealable containers.

To be disposed of in compliance with existing regulations.

**Reference to other sections**

Version 5.1C

Page 4 / 8

Revision Date 10.05.2020

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

**SECTION 7: Handling and storage****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for safe storage, including any incompatibilities**

Handle and store under inert gas.

Storage class (TRGS 510): Combustible liquids not in Storage Class 3

**Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

**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. Protect from moisture.

**Specific end use(s)**

No further information available

Applications; see Section 1.

**SECTION 8: Exposure controls/personal protection****Control parameters****Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment****Eye/face protection**

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according

Version 5.1C	Page 5 / 8	Revision Date 10.05.2020
--------------	------------	--------------------------

to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee 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).

## Control of environmental exposure

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:

Form	liquid
Color:	Amber clear
Physical state	liquid
Odor:	not determined
Odor Threshold:	not determined
pH:	not determined
Melting point/range	not determined
Boiling point/range	217 - 250 °C - lit.
Flash point:	99 °C - closed cup
Evaporation rate	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapor pressure:	1 hPa at 20 °C
Density:	1.15 g/mL at 25 °C
Water solubility:	not determined
Partition coefficient: n-octanol/water	log Pow: -1.852
Auto inflammability	not determined
Viscosity, dynamic	not determined
Refractive Index	1.386 [25°C]
Purity	Min.98.5% by GC

## SECTION 10: Stability and reactivity

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

Version 5.1C

Page 6 / 8

Revision Date 10.05.2020

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available.

**Conditions to avoid**

No data available

**Incompatible materials**

No data available

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Silicon oxides

Other decomposition products - No data available

In the event of fire: see section 5

**SECTION 11: Toxicological information****Information on toxicological effects**

Acute toxicity No data available

Skin irritation No data available

Eye irritation No data available

Assessment of STOT single exposure No data available

Assessment of STOT repeat exposure No data available

Risk of aspiration toxicity No data available

Gentoxicity in vitro No data available

Toxicity to reproduction No data available

**Carcinogenicity**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Specific target organ toxicity - single exposure**

Inhalation: May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

No data available

**SECTION 12: Ecological information****Toxicity**

Version 5.1C	Page 7 / 8	Revision Date 10.05.2020
--------------	------------	--------------------------

No eco-toxicological data is available for this product.

#### Persistence and degradability

Biodegradability No data available

#### Bio-accumulative potential

Bioaccumulation No data available

#### Mobility in soil

Mobility No data available

#### Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

#### Other adverse effects

Further information Toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

#### Waste treatment methods

##### Product:

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

##### Uncleaned packaging

Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities.

If there is product residue in the emptied container, follow directions for handling on the container's label. Incorrect disposal or reuse of this container is illegal and can be dangerous.

Other countries: observe the national regulations.

##### Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

## SECTION 14: Transportation 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)

Version 5.1C	Page 8 / 8	Revision Date 10.05.2020
--------------	------------	--------------------------

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****National legislation**

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

**Chemical safety assessment**

No substance-related safety assessment is necessary / has been conducted for this product.

**SECTION 16: Other information****Relevant H phrases from chapter 3**

H315 Causes skin irritation.

H318 Causes serious eye damage.

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.