

Version 5.1R

Page 1 / 7

Revision Date 15.11.2018

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

Product Name: SiSiB® PC5821
Chemical Name: Dodecyltrimethoxysilane
CAS-No.: 3069-21-4

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**Hazard symbol(s)****Information pertaining to particular dangers**

for man and environment R 36/38 Irritating to eyes and skin.

GHS label elements**Pictogram****Signal word****Warning****Hazard statement(s)**

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement(s)

P280 Wear protective gloves/clothing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

Version 5.1R

Page 2 / 7

Revision Date 15.11.2018

Synonyms:	Dodecyltrimethoxysilane
Formula:	C ₁₅ H ₃₄ O ₃ Si
Molecular Weight:	290.51 g/mol
CAS-No:	3069-21-4
EC-No:	221-332-4

SECTION 4: First aid measures**If inhaled**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Seek immediate medical advice.

In case of skin contact

Instantly wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

In case of eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

If swallowed

Seek immediate medical advice.

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

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Special hazards caused by the material, its products of combustion or flue gases:

Can be released in case of fire:

Carbon monoxide and carbon dioxide

Silicon oxide

Protective equipment

Wear self-contained breathing apparatus.

Wear full protective suit.

Further information

no data available

SECTION 6: Accidental release measures**Person-related safety precautions**

Wear protective equipment. Keep unprotected persons away.

Version 5.1R	Page 3 / 7	Revision Date 15.11.2018
--------------	------------	--------------------------

Ensure adequate ventilation

Measures for environmental protection

Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information

See Section 7 for information on safe handling

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

Handling Information for safe handling:

Handle under dry protective gas.

Keep containers tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Storage Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Store away from water.

Store away from oxidizing agents.

Further information about storage conditions:

Store under dry inert gas.

This product is moisture sensitive.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Protect from humidity and keep away from water.

SECTION 8: Exposure Controls/Personal Protection

Additional information about design of technical systems

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Components with critical values that require monitoring at the workplace

Not required.

Additional information: No data

Version 5.1R	Page 4 / 7	Revision Date 15.11.2018
--------------	------------	--------------------------

Personal protective equipment General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Breathing equipment

Use breathing protection with high concentrations.

Protection of hands

Check protective gloves prior to each use for their proper condition.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Impervious gloves

Penetration time of glove material

Not determined

Eye protection:

Safety glasses

Face protection

Body protection:

Protective work clothing.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
	Color: colorless
Odor	no data available
Odor Threshold	no data available
Melting point/Melting range	-40°C
Boiling point/Boiling range	125°C (1.8 mmHg)
Sublimation temperature / start:	no data available
Flash point:	108°C
Ignition temperature	no data available
Decomposition temperature	no data available
Danger of explosion	Product is not explosive.
Critical values for explosion	Lower: no data available
	Upper: no data available
Steam pressure	no data available
Density at 20°C	0.89 g/cm ³

Version 5.1R

Page 5 / 7

Revision Date 15.11.2018

Solubility in / Miscibility with Water

Hydrolyzes

SECTION 10: Stability And Reactivity**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Materials to be avoided:

Water/moisture

Oxidizing agents

Dangerous reactions:

No dangerous reactions known

Dangerous products of decomposition:

Carbon monoxide and carbon dioxide

Silicon oxide

SECTION 11: Toxicological Information**Acute toxicity:****Primary irritant effect:**

on the skin:

Irritant for skin and mucous membranes.

on the eye:

Irritant effect.

Sensitization:

No sensitizing effect known.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

SECTION 12: Ecological Effects**Additional ecological information:****General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Do not allow material to be released to the environment without proper governmental permits.

SECTION 13: Disposal considerations**Product:**

SiSiB SILICONES - A part of SINOPCC group.

Version 5.1R	Page 6 / 7	Revision Date 15.11.2018
--------------	------------	--------------------------

Recommendation

Hand over to disposers of hazardous waste.
Must be specially treated under adherence to official regulations.
Consult state, local or national regulations for proper disposal.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

SECTION 14:Transport Information

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: None

Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: None

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: None

Transport/Additional information:

Not dangerous according to the above specifications.

SECTION 15:Regulatory Information

Designation according to EC guidelines:

Code letter and hazard designation of product:



Xi Irritant

Risk phrases:

36/38 Irritating to eyes and skin.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37 Wear suitable gloves.

National regulations Information about limitation of use:

For use only by technically qualified individuals.
Employment restrictions concerning young persons must be observed.

Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Version 5.1R	Page 7 / 7	Revision Date 15.11.2018
--------------	------------	--------------------------

SECTION 16: Other Information**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.