

Version 6.1L

Page 1 / 9

Revision Date 10.01.2021

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

Product Name: SiSiB® PC5911

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]**

Flammable liquids, Category 3 H226

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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

Pictogram



Symbol(s)

Signal word

Warning

Hazard statement

H226

Flammable liquid and vapour.

H319

Causes serious eye irritation.

Precautionary statement

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280

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

Version 6.1L	Page 2 / 9	Revision Date 10.01.2021
--------------	------------	--------------------------

P240	Ground/bond container and receiving equipment.
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 rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
Other hazards	
No additional information available	

SECTION 3: Composition/information on ingredients

Substances

Substance type	Mono-constituent
Name	ISOOCTYLTRIMETHOXYSILANE
CAS-No.	34396-03-7
EC-No. :	251-995-5

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isooctyltrimethoxysilane	(CAS-No.) 34396-03-7 (EC-No.) 251-995-5	97 - 100	Flam. Liq. 3, H226 Eye Irrit. 2, H319

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.

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

Consult an eye specialist. Immediately flush eyes thoroughly with water for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

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**

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

Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.

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

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

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

Water spray. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media

None known.

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

Flammable liquid and vapour. 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

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.

Version 6.1L	Page 4 / 9	Revision Date 10.01.2021
--------------	------------	--------------------------

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges.

For non-emergency personnel

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. Use only non-sparking tools.

Reference to other sections

See section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling Avoid all eye and skin contact and do not breathe vapour and mist. Provide local exhaust or general room ventilation. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment.

Storage conditions Keep container tightly closed. Keep in a cool place.

Incompatible materials Moisture. Water

Version 6.1L

Page 5 / 9

Revision Date 10.01.2021

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**

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	234.41 g/mol
Color	straw
Odor	mild
Odor Threshold	No data available
Refractive index	1.4176
pH	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Melting point	No data available
Freezing point	< 0 °C
Boiling point	90 °C @ 10 mm Hg
Flash point:	52 °C

Version 6.1L	Page 6 / 9	Revision Date 10.01.2021
--------------	------------	--------------------------

Auto-ignition temperature	310 °C
Decomposition temperature	No data available
Flammability (solid, gas)	Flammable liquid and vapour.
Vapor pressure:	< 1 mm Hg @ 75°C
Relative vapor density at 20 °C	> 1
Relative density	0.887
Solubility	Insoluble in water. Reacts with water.
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	2 cSt @ 25°C
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 methanol.

Conditions to avoid

Heat. Open flame. Sparks

Incompatible materials

Moisture. Water.

Hazardous decomposition products

Organic acid vapors. Methanol.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Causes serious eye irritation.
Respiratory or skin sensitisation :	Not classified

Version 6.1L	Page 7 / 9	Revision Date 10.01.2021
--------------	------------	--------------------------

Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
	None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
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 :	Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.
Chronic symptoms :	On contact with water this compound liberates methanol 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 data available

Other adverse effects

This substance may be hazardous to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Version 6.1L	Page 9 / 9	Revision Date 10.01.2021
--------------	------------	--------------------------

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.