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

Product Name: SiSiB® PC4600

Chemical Name: 3-(Trimethoxysilyl)propyl Acrylate

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**

Acute toxicity (Inhalation)	Category 4
Skin corrosion/irritation	Category 1B
Skin sensitization	Category 1
Long-term aquatic hazard	Category 3

Label elements**Pictograms or hazard symbols**

Signal word

Danger

Hazard statements

H332-Harmful if inhaled.

H314-Causes severe skin burns and eye damage.

H317-May cause an allergic skin reaction.

H412-Harmful to aquatic life with long lasting effects.

Precautionary statements

P260-Do not breathe dusts or mists.

P280-Wear protective gloves, protective clothing, face protection.

P301+P330+P331+P310-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

P303+P361+P353+P310+P363-IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower. Immediately call a POISON

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CENTER or doctor. Wash contaminated clothing before reuse.

P304+P340+P310-IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

P305+P351+P338+P310-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Other hazards

May cause polymerization.

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

Substances

Components:	3-(Trimethoxysilyl)propyl Acrylate
Percent:	>93.0%(GC)
CAS RN:	4369-14-6
EC-No:	419-560-6
Synonyms:	3-(Acryloyloxy)propyltrimethoxysilane (stabilized with BHT) , Acrylic Acid 3-(Trimethoxysilyl)propyl Ester (stabilized with BHT)
Chemical Formula:	C ₉ H ₁₈ O ₅ Si

SECTION 4: First aid measures

Description of first aid measures

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin contact:

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion:

Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

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Protection of first-aiders:

A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Dry chemical, foam, water spray, carbon dioxide.

Unsuitable extinguishing media:

Solid streams of water

Special hazards arising from the substance or mixture

This substance may polymerize explosively when heated or involved in a fire. Container may explode when heated. Combat fire from a sheltered position.

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Carbon dioxide, Carbon monoxide, Silicon oxides

Advice for firefighters

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions

Prevent product from entering drains

Methods and materials for containment and cleaning up

Absorb spilled material in dry sand or inert absorbent before recovering it into a covered container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Reference to other sections

For disposal see section 13.

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

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapor or mist. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if vapor or aerosol will be generated. Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool and dark place. Store under inert gas.

Protect from moisture.

Store locked up. Store away from incompatible materials such as oxidizing agents.

Moisture-sensitive

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure Controls/Personal Protection**Control parameters**

No data available

Exposure controls

Install a closed system or local exhaust. Also install safety shower and eye bath.

Respiratory protection:

Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc.

Use respirators approved under appropriate government standards and follow local and national regulations.

Hand protection:

Impervious gloves.

Eye protection:

Safety goggles. A face-shield, if the situation requires.

Skin and body protection:

Impervious protective clothing. Protective boots, if the situation requires.

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

Physical state (20 °C)

liquid

Form

clear

Color

Colorless -Very pale yellow

Odor

No data available

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pH	No data available
Melting point/freezing point	No data available
Boiling point/range	95°C /0.4kPa
Flash point	123°C
Evaporation rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	No data available
Flammability or explosive limits	
Lower	No data available
Upper	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.06
Solubility(ies):	
[Water]	No data available
[Other solvents]	No data available
Partition coefficient:	0.05
n-octanol/ water	
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Dynamic Viscosity	No data available
Kinematic Viscosity	No data available

Other safety information

No data available

SECTION 10: Stability And Reactivity

Reactivity:	Not Available.
Chemical Stability:	Polymerization may occur under the influences of heat, light or on contact with polymerization initiators such as peroxides etc.
Possibility of Hazardous Reactions:	No special reactivity has been reported.
Conditions to avoid:	Heat, Light
Incompatible materials:	Oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide, Silicon oxides

SECTION 11: Toxicological Information

Acute toxicity	orl-rat LD50:1 mL/kg
	skn-rbt LD50:1 mL/kg
Skin corrosion/irritation	No data available

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Serious eye damage/irritation	eye-rbt 100 uL SEV
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	
IARC:	No data available
NTP:	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available

SECTION 12: Ecological Effects

Toxicity

Fish	No data available
Crustacea	No data available
Algae	No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil

Log Pow:	0.05
Soil adsorption (Koc):	No data available
Henry's Law (PaM ³ /mol):	No data available

Results of PBT and vPvB assessment

PBT:	Not applicable
vPvB:	Not applicable
Other adverse effects	No data available

SECTION 13: Disposal considerations

Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport Information

UN number	1760
UN proper shipping name	

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ADR/RID	Corrosive liquid, n.o.s
IMDG/IMO	Corrosive liquid, n.o.s
ICAO/IATA	Corrosive liquid, n.o.s

Transport hazard class(es)

ADR/RID	8: Corrosive
IMDG/IMO	8: Corrosive
ICAO/IATA	8: Corrosive

Packaging group

ADR/RID	III
IMDG/IMO	III
ICAO/IATA	III

Environmental hazards

Marine pollutant	-
Special precautions for user	No data available

SECTION 15:Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No.1907/2006

Not listed

Chemical safety assessment

A chemical safety assessment has not been carried out.

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.