SAFETY DATA SHEET
(EC 1907/2006)
SiSiB® PC9011

SECTION 1: Identification of the substance/mixture and of the company

Product Identifier

Product Name:	SiSiB® PC9011
Chemical Name:	Polyethyleneglycol-Functional Alkoxysilane (Methoxy Polyethyleneoxy Propyl Trimethoxysilane)
CAS-No.:	65994-07-2
EC-No.:	670-227-3

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

GHS Classification:

Not a hazardous substance or mixture according to GHS criteria.

Non-hazardous chemicals.

Signal Word: None required.

Hazard Statements: None required.

Precautionary Statements:

P264: Wash hands thoroughly after handling

P273: Avoid release to the environment

P402+P404: Store in a dry place. Store in a closed container.

Other Hazards:

No data available

SECTION 3: Composition/information on ingredients

Composition Details:

Methoxypolyethyleneoxypropyltrimethoxysilane (CAS No: 65994-07-2): 99.0%

Allyl alcohol polyoxyethylene ether, methyl terminated (27252-80-8): 1.0%

SECTION 4: First aid measures

Skin Contact:
Immediately remove contaminated clothing. Flush skin with plenty of flowing water for at least 15 minutes.
Eye Contact:
Immediately lift eyelids and flush eyes with plenty of flowing water for at least 15 minutes. Seek medical attention if irritation develops.
Inhalation:
Move person to fresh air immediately. Maintain open airway. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Ingestion:
Rinse mouth thoroughly with water. Give large amounts of warm water to drink. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

SECTION 5: Firefighting measures

Suitable Extinguishing Media:
Alcohol-resistant foam, dry powder, carbon dioxide, dry sand.
Unsuitable Extinguishing Media:
Do NOT use straight water streams as it may spread the fire and accelerate hazardous hydrolysis.
Special Hazards:
Hazardous combustion products include carbon monoxide (CO), carbon dioxide (CO_2), and silicon dioxide (SiO_2).
Advice for Firefighters:
Wear positive-pressure self-contained breathing apparatus (SCBA) and full protective firefighting gear.

SECTION 6: Accidental release measures

Personal Precautions:
Isolate the spill area and restrict access to unauthorized personnel. Wear nitrile gloves, chemical protective overalls, and safety goggles.
Environmental Precautions:
Construct dikes to prevent the spill from entering sewers, surface water, groundwater, or rivers.
Clean-up Methods (Small Spills <50L):
Absorb with inert material (sand, earth, vermiculite). Collect into designated waste containers. Flush the area with water.
Clean-up Methods (Large Spills >50L):
Contain spill with dikes. Pump liquid into a tank truck or dedicated collector using an explosion-proof pump. Dispose of via a certified environmental company.

SECTION 7: Handling and storage

Safe Handling:
Ensure good ventilation. Avoid contact with eyes and skin. Do not eat, drink, or smoke in work areas. Wash thoroughly after handling.
Storage Conditions:
Keep containers tightly sealed to prevent moisture ingress. Store away from fire, heat sources, and direct sunlight. Store separately from strong acids, bases, and strong oxidizers.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters: No occupational exposure limits established for this mixture.
Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available.
Personal Protective Equipment:
Eye Protection: Wear safety glasses or chemical safety goggles.
Skin Protection: Wear standard anti-chemical protective clothing and overalls.
Hand Protection: Wear nitrile rubber protective gloves.
Respiratory Protection: Not required under normal conditions. Wear protective masks in poorly ventilated areas.

SECTION 9: Physical and Chemical Properties

Appearance:	Pale yellow transparent liquid
pH (1% Aqueous Solution):	6.0-8.0
Freezing/Melting Point:	-12°C to 2°C (depending on grade)
Refractive Index (25°C):	1.445
Boiling Point (760 mmHg):	218°C-245°C
Flash Point (Closed Cup):	82°C-92°C
Vapor Pressure (25°C):	0.02-0.12 Pa
Density (25°C):	1.06 g/cm³
Viscosity (25°C):	10-20 cP
Solubility:	Soluble in water and most organic solvents.

SECTION 10: Stability And Reactivity

Reactivity

no data available

Chemical stability

May decompose on exposure to moist air or water. Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

Heat, flames and sparks

Incompatible materials

Strong oxidizing agents, Acids

Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

SECTION 11:Toxicological Information

Test Item	Result
Acute oral toxicity (rat LD50)	>5000 mg/kg bw
Acute dermal toxicity (rabbit LD50)	>2000 mg/kg bw
Acute inhalation toxicity (rat LC50)	>5 mg/L/4h
Skin irritation (rabbit)	Slight irritation, recovered within 48h
Eye irritation (rabbit)	Moderate irritation, recovered within 7 days
Skin sensitization (guinea pig)	Non-sensitizing
Mutagenicity (Ames test)	Negative
Subchronic toxicity (rat, 90-day feeding)	NOAEL = 1000 mg/kg bw/day

SECTION 12: Ecological Effects

Toxicity

Test Item	Result
Acute fish toxicity (zebrafish LC50, 96h)	>100 mg/L
Acute daphnia toxicity (Daphnia EC50, 48h)	>100 mg/L
Algal growth inhibition (Algae EC50, 72h)	>100 mg/L

Persistence and degradability

28 days degradation rate >60%, readily biodegradable

Bioaccumulative Potential

BCF <100, no bioaccumulation

SECTION 13:Disposal considerations

Waste Treatment: Dispose of in accordance with local, regional, and national environmental regulations. Small quantities can be disposed of by incineration at a licensed facility. Do not discharge directly into

drainage systems or water courses.

SECTION 14:Transport 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)

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

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

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

no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not 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.