

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

#### Product Identifier

Product Name: SiSiB® WR0779

#### 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

#### Physical hazard

#### Health hazard

Skin corrosion/irritation Category 1A

Severe eye damage/eye irritation Category 1

#### Label elements

Pictogram



Signal word Danger

Hazard statement(s)

Causing severe skin burns and eye damage, causing severe eye damage.

Precautionary statement(s):

Avoid inhaling dust/smoke/gas/smoke/steam/spray.

Prevent

Wash hands thoroughly after operation and wear protective gloves/protective clothing/eye protection /face protection.

Supplemental Hazard Statements

If skin (or hair) comes into contact

Immediately remove all contaminated clothing, rinse your skin with water, and shower.

In case of eye contact

Rinse carefully with water for a few minutes if wearing contact lenses and can be easily removed, remove contact lenses. Keep rinsing.

If swallowed:

Gargle, don't induce vomiting.

If inhaled:

Move the person to fresh air to rest, maintain a position conducive to breathing, and call poison control or medical attention immediately.

### SECTION 3: Composition/information on ingredients

Composition	Concentration	CAS-No
Potassium methylsilanetriolate	30%±1	
Potassium hydroxide	22%±1	
Water	48%±1	

### SECTION 4: First aid measures

#### Description of first aid measures

##### In case of eye contact

Rinse carefully with water for a few minutes. Remove contact lenses if convenient and easy to operate. Keep cleaning.

##### If eye irritation

Seek medical attention

##### In case of skin contact

Remove/remove all contaminated clothing immediately. Wash gently with plenty of soap and water.

##### If skin irritation or rash occurs

Seek medical attention.

##### If swallowed

If you feel unwell, call a detoxification center/doctor. Rinse your mouth.

##### If inhaled

Move victim to fresh air, keep breathing clear, rest. If you feel unwell, call a detoxification center/doctor immediately.

### SECTION 5: Firefighting measures

#### Extinguishing media

##### Suitable extinguishing media

Use CO<sub>2</sub>, dry powder, foam.

##### Special hazards

##### Advice for firefighters

Always wear personal protective equipment when fighting a fire. Determine if the area needs to be evacuated or quarantined based on local emergency plans. Keep fire exposed containers cool by spraying them with water.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people upwind of spills/spills. Ensure good ventilation. Avoid inhaling water vapor. The access of non-relevant personnel should be controlled by ropes and other means around the leak area.

### Environmental precautions:

Avoid discharge into drains.

### Sealing and cleaning methods and materials

Clean with a shovel and transfer to a dry, clean, covered container for disposal. Avoid raising dust. After material removal, ventilate the area and clean the spill site.

## SECTION 7: Handling and storage

### Precautions for safe handling

Wear appropriate protective clothing and gloves. Avoid inhaling dust. Avoid contact with eyes, skin and clothing. Operate in a well-ventilated area. Keep away from fire, heat and flames. Handling and unloading materials should be handled with care to prevent damage and moisture caused by packaging. The workplace should be equipped with the appropriate variety and quantity of firefighting equipment and leakage emergency treatment equipment.

### Appropriate engineering controls

Store in a cool place. Keep the container sealed in a dry and ventilated place. Keep away from fire, heat and flames. Incompatibility: Bases. The storage place shall be equipped with appropriate varieties and quantities of firefighting equipment and leakage emergency treatment equipment.

## SECTION 8: Exposure Controls/Personal Protection

### Allowable concentration

Is not set.

### Components with workplace control parameters

Mechanical exhaust is required. Safe shower and eye rinse facilities. Mechanical exhaust is required. Safe shower and eye rinse facilities.

### Personal Protective Equipment

Respiratory system: Wear a government-approved respirator.

Eyes: Wear chemical safety glasses.

Clothing: Wear appropriate protective clothing.

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Hands: Wear compatible protective gloves.

**Other protection**

Smoking, drinking and eating are prohibited on site. Wash thoroughly after operation.

**SECTION 9: Physical and Chemical Properties**

**Information on basic physical and chemical properties**

Appearance	White powder
Melting point (°C)	318 °C
Boiling range (°C)	1870 °C
pH value	no data available
Vapor pressure (kPa)	no data available
Relative vapor density (Air = 1.0)	no data available
Density (Water =1)	2.26 g/cm <sup>3</sup>

**Solubility**

The solubility of potassium methylsilicate in water is better, and the solubility increases with the increase of temperature.

**Main uses**

Used for waterproofing and so on.

**SECTION 10: Stability And Reactivity**

**Chemical stability**

stabilize

**Conditions to avoid**

Oxides and acids

**Hazardous decomposition products**

Carbon oxides and silicon dioxide

**SECTION 11: Toxicological Information**

**Information on toxicological effects**

**Acute toxicity**

**Inhalation**

Inhalation may be harmful. May cause respiratory irritation.

**Intake**

Ingestion is harmful to human health.

**Skin**

May be harmful if absorbed through the skin. May cause skin irritation.

**Eye**

Cause eye irritation.

**Chronic toxicity**

**Skin**

No known information.

**Swallow**

Prolonged ingestion or ingesting too much may have internal effects on the body.

**Inhalation:**

Long-term inhalation or repeated inhalation may have internal effects on the body

**SECTION 12: Ecological Effects**

**Toxicity**

Fish: No data available.

Toxicity to daphnia and other aquatic invertebrates: No data available.

Algae: No data available.

**Residual/degradability**

This product hydrolyzes in water or moist air, releasing acetic acid and silicone compounds.

**Potential bioaccumulation**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

Even in the case of professional handling or disposal, environmental hazards cannot be ruled out.

**SECTION 13: Disposal considerations**

**Product:**

Handle it properly in accordance with local laws and regulations.

**Contaminated packaging**

Handle it properly in accordance with local laws and regulations.

**SECTION 14: Transport Information**

**Land transport ADR and RID**

Categories: No data available.

Packing grade: No data available.

UN Number: No data available.

Official transport name: Corrosive liquid.

**Shipping IMDG-Code**

Categories: No data available.

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Packing grade: No data available.

UN Number: No data available.

Official transport name: No data available.

**Air transport ICAO-TI/IATA-DGR**

Categories: No data available.

Packing grade: No data available.

UN Number: No data available.

**SECTION 15:Regulatory Information**

**State management regulations**

National and local regulations must be observed. For labels, see the information in this document.

Regulations on the Safety Management of Hazardous Chemicals: Relevant provisions are made for the safe use, production, storage, transportation, loading and unloading of hazardous chemicals.

**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.