

## Material Safety Data Sheet (MSDS)

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### Chemical Product And Company Identification

Product Name: YHGROUT-510 Deco Mold-resistant epoxy-based tile grout

Product Description:

Tile crevice filling, waterproofing and beautification.

Company name: Beijing Oriental Yuhong Waterproof Technology Co, Ltd.

Address: Shunping South Road, Yangzhen Zengzhuang Shunyi District of Beijing.

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### Hazards Summarizing

Type of harm: Not classified

Invasion way: Inhalation, skin contact, eye contact, ingestion.

Description: Tile grout is a two-component epoxy adhesive system consisting of epoxy resin (component A) and curing agent (component B). Epoxy resin can cause mild skin irritation, eye irritation, and allergic reactions on the skin. The curing agent is strongly alkaline and can easily cause eye and skin irritation. Severe reactions may occur in allergic individuals.

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### Composition/Information on Ingredients

The product is a mixture of two parts AB

Chemical name	CAS No.	Content (%)
Bisphenol A epoxy resin	25068-38-6	40-50
Gas phase Silicon dioxide	112945-52-5	2-7
Phenyl alcohol	100-51-6	20-40
Cyclohexanediyldimethanamine	2579-20-6	5-20

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### First-aid Measures

Ask for doctor's help if you have any questions.

**Skin Contact:** Wash affected areas thoroughly with detergent hand cleaner and rinse with plenty of water.

**Eye Contac:** Immediately hold the eyes open and irrigate eyes with running water for at least 15minutes.

Transport to doctor or hospital without delay.

**Inhalation:** In case of ingestion, immediately rinse the mouth and drink plenty of water, then seek medical attention for diagnosis and treatment.

**Eating:** Drink enough water, vomiting. Go to a doctor.

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### **Fire-fighting Measures**

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**Hazardous Properties:** No data

**Flammability Rating:** Combustible

**Fire and Explosion Hazards:** Combustible, but does not explode.

**Upper flammable limit (UFL):** Not applicable

**Lower flammable limit (LFL):** Not applicable

**Fire extinguishing procedure and fire extinguishing agent:** Use extinguishing material suitable for surrounding fire.

**Precautions:** When dealing with fire, wear full protective clothing including a respirator.

**Decomposition products:** No data

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### **Accidental Release Measures**

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**Emergency Treatment:** It is recommended that emergency personnel wear a full-cover dust mask and overalls for general operations, referring to Part VIII for guidance.

**Remedy:** Use a dry cleaning tool to collect all the inert material to avoid dust, avoid contact with water. If no other contaminated materials, can continue to use. With a shovel or an appropriate tool to collect material to appropriate containers centrally. Processing collections according to laws and regulations.

Because of the materials with water hydration reaction of hard solids, it should be protected from direct access to sewers, to prevent clogging.

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### **Handling And Storage**

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**Handling Precautions:** After handling, clean up any physical residue, and then rinse thoroughly with water.

**Storage:** Store in a cool, ventilated warehouse, and ensure to protect from moisture and rain by keeping the packaging tightly sealed.

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## Exposure Controls/Personal Protection

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Mechanical control measures/ventilation: Keep good ventilation.

Respiratory Protection: Wear a mask and select the appropriate respirator. Regularly conduct checks on respiratory system, skin, and lung function.

Eye Protection: Wear protective goggles.

Body protection: Wearing protective clothing, avoid duplication or prolonged contact with the skin, clothes should be changed every day.

Other protection: Recommended installation eyewash and emergency shower unit.

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## Physical and Chemical Properties

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Physical state:	AB component is colloidal		
pH value:	A: No data, B: 10-12 ( (10g/L H <sub>2</sub> O) )	Critical temperature (°C) :	No data
Melting point (°C) :	No data	Critical pressure (MPa) :	No data
Boiling point (°C) :	Not applicable	Logarithm of the octanol / water partition coefficient:	3.2
Relative density:	1.0-1.2	Flash point (°C) :	Not applicable
Relative vapor density:	No data	Ignition temperature (°C) :	266°C
Saturated vapor pressure (kPa) :	No data	Upper explosive limit (V/V) :	Not applicable
Heat of combustion (kJ/mol) :	No data	Lower Explosive Limit % (V/V) :	Not applicable
Solubility:	Insoluble	Other data:	No data

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## Stability and Reactivity

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Stability: Generally stable  
Conditions for avoiding contact: water, acid water. B's contact with acid water produces a chemical reaction

Before use, do not mix two groups of AB together. Prohibition: acid, acid water

Polymerization hazard: The mixture of two groups of AB will react chemically and exothermic obviously, and the amount will burst. Decomposition product: None

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## Toxicological Information

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Acute toxicity: No

Subacute and chronic toxicity: No

Irritation: No data

Sensitization: No data

Mutagenicity: No data

Reproductive toxicity: No data

Carcinogenicity: No data

Other: No data

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### **Ecological Information**

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Ecotoxicity: No risk to the environment.

Environmental stability: In the event of acid, or AB reaction to produce solid substances.

Bioconcentration or bioaccumulation: deposition in soil.

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### **Disposal**

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Nature of waste:  hazardous waste  industrial solid waste.

Waste Disposal Method: Dispose of materials and packaging in accordance with existing national and local regulations, either through recycling or proper disposal methods.

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### **Transport Information**

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Packing group: III Class

Packaging: Plastic Bottle

Maritime Classification: Not classified as dangerous.

IATA Classification: Not classified as dangerous.

Road and rail transport rating: not classified as dangerous.

Transportation classifications may vary by container volume and countries do not vary.

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### **Regulatory Information**

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Within the scope of existing laws and regulations, such products do not belong to the management of hazardous.

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### **Other information**

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Disclaimer: The use and transportation of the product must be strictly in accordance with the product usage instructions. Suitable for indoor and outdoor walls, ceramic tiles on the ground, stone, and mosaics, providing both waterproofing and beautification. We shall not be liable for the conversion of this product for other purposes without our confirmation or explanation.