



# Material Safety Data Sheet (MSDS)



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**Report No.** : LTIJ250218A012EN

**Sample Name** : Tile Patch

**Client Name** : Dongyang Xiaoqin Trading Co.

**Guangzhou LTI Testing Technology Co., Ltd**

Floor 4, Building 2, No.470, Xingnan Avenue, Nancun Town, Panyu District, Guangzhou, China

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Client Name : Dongyang Xiaoqin Trading Co.  
Client Address : No.2-61, Building 15, Western China Leather Shoe City, Yongshun Road, Economic Development Zone, Dazhu County, Dazhou City, Sichuan Province, P.R. China  
Sample Name : Tile Patch  
Sample Model : A 40ML +B 40ML  
Brand Name : N/A  
Specification : N/A  
Buyer : N/A  
Manufacturer : N/A  
Exported to : N/A  
Country of Origin : N/A

The above information is provided and confirmed by the applicant, and our company is not responsible for its authenticity.

Receive Date : 17. February, 2025  
Testing period : 17. February, 2025- 21. February, 2025  
Test Method : Please refer to the next page(s).  
Test Result(s) : Please refer to the next page(s).



Approved by: Tariq Ma

Bruce Li

Reviewed by: Bruce Li

Lyra Du

Complied by: Lyra Du

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### 1. Product and Company Identification

- 1.1 Sample Name** : Tile Patch  
**1.2 Model No** : A 40ML +B 40ML  
**1.3 End Uses** : Repairing cracks, fissures, defects, breaks, etc.  
**1.4 Contact Person** : Xinyan Wei  
**1.5 E-mail** : wojiubu2024@163.com  
**1.6 24 hour Emergency Tel** : 18111796928  
**1.7 Other information** : N/A

### 2. HAZARDS IDENTIFICATION

#### 2.1 Hazard classification according to GHS

According to GHS system (10th revised edition),

Skin irritation, Category 2

Skin sensitization, Category 1

Eye irritation, Category 2

Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 2

#### 2.2 GHS Label elements:

**Hazard Pictogram(s):**



**Signal word:** Warning.

#### **Hazard statements:**

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

#### **2.3 Precautionary statements**

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### Prevention:

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

### Response:

P302+P352 IF ON SKIN: Wash with plenty of water/...

P321 Specific treatment (see ... on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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.

P391 Collect spillage.

**Storage:** none

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### 2.4 Other hazards which do not result in classification

none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance/Mixtures:

Chemical Name	CAS No.	Weight(%)
quartz powder	14808-60-7	56.53%
Epoxy Resin E51	61788-97-4	23.63%
Benzyl Alcohol	100-51-6	6.68%
D230 Hardener (Polyetheramine)	/	3.85%
593 Hardener	/	2.77%

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HMDA curing agent (1,6-Hexanediamine)	124-09-4	2.3%
pyrogenic silica	112945-52-5	2.16%
Nonylphenol	25154-52-3	1%
3-Glycidoxypopyltrimethoxysilane	90-72-2	0.77%
Titanium Dioxide	13463-67-7	0.21%
Defoamer (CI-1360)	/	0.1%

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.  
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- If inhaled** : Consult a physician.
- In case of skin contact** : Wash off with soap and plenty of water. Consult a physician.
- In case of eye contact** : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- If swallowed** : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/effects** : no data available

##### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

no data available

#### 5. Fire Fighting Measures Danger

##### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### 5.2 Specific hazards arising from the substance or mixture

no data available

##### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control parameters

Occupational Exposure limit value: no data available

Biological limit values: no data available

#### 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Wear impervious clothing. The type of protective equipment must be selected

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according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection      Wear dust mask when handling large quantities.  
Thermal hazards              No data available

### 9.PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance	: pastes
Colour	: dark gray
Physical state	: No data available
Odour	: No data available
Odour threshold	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flammability	: No data available
Explosive limits	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Viscosity, kinematic	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available

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Vapour pressure : No data available  
Vapour pressure at 50 °C : No data available  
Density : No data available  
Relative density : No data available  
Relative vapour density at 20 °C : No data available  
Particle size : No data available

### 9.2 Other safety information

No data available

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

No data available.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity : Oral: No data available.  
: Inhalation: No data available.  
: Dermal: No data available.

Skin corrosion/irritation : No data available  
Serious eye damage/irritation : No data available  
Respiratory or skin sensitisation : No data available  
Germ cell mutagenicity : No data available  
Carcinogenicity : No data available

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Reproductive toxicity : No data available  
STOT-single exposure : No data available  
STOT-repeated exposure : No data available  
Aspiration hazard : No data available

### 12. ECOLOGICAL INFORMATION

#### 12.1 Eco-toxicity:

Toxicity to fish : no data available  
Toxicity to daphnia and other aquatic invertebrates : no data available  
Toxicity to algae : no data available  
Toxicity to microorganisms : no data available

#### 12.2. Persistence and degradability:

No data available.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Other adverse effects

no data available

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste disposal methods

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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### 14. TRANSPORT INFORMATION

#### 14.1. UN number

ADR/RID:no data available

IMDG:no data available

IATA:no data available

#### 14.2. UN proper shipping name

ADR/RID:

unknown

IMDG:

unknown

IATA:

unknown

#### 14.3. Transport hazard class(es)

ADR/RID:no data available

IMDG:no data available

IATA:no data available

#### 14.4. Packing group

ADR/RID:no data available

IMDG:no data available

IATA:no data available

#### 14.5. Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

#### 14.6. Special precautions for user

no data available

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

no data available

### 15. REGULATORY INFORMATION

#### International chemical inventory

Component	CAS No.	EINECS	EC Inventory	TSCA	NZIoC	PICCS	China IECSC
quartz powder	14808-60-7	Listed.	Listed.	Listed.	Listed.	Listed.	Listed.
Epoxy Resin E51	61788-97-4	Not Listed.	Not Listed.	Not Listed.	Not Listed.	Not Listed.	Not Listed.
Benzyl Alcohol	100-51-6	Listed.	Listed.	Listed.	Listed.	Listed.	Listed.

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HMDA curing agent (1,6-Hexanedia mine)	124-09-4	Listed.	Listed.	Listed.	Listed.	Listed.	Listed.
pyrogenic silica	112945-52-5	Not Listed.	Not Listed.	Not Listed.	Listed.	Listed.	Listed.
Nonylphenol	25154-52-3	Listed.	Listed.	Listed.	Listed.	Listed.	Listed.
4-Glycidoxypopyl trimethoxysilane	90-72-2	Listed.	Listed.	Listed.	Listed.	Listed.	Listed.
Titanium Dioxide	13463-67-7	Listed.	Listed.	Listed.	Listed.	Listed.	Listed.

**EINECS : European Inventory of Existing Commercial Chemical Substances**

**EC Inventory: EU Chemical Inventory**

**TSCA: United States Toxic Substances Control Act (TSCA) Inventory**

**NZIoC: New Zealand Inventory of Chemicals**

**PICCS: Philippines Inventory of Chemicals and Chemical Substances**

**China IECSC: Chinese Chemical Inventory of Existing Chemical Substances**

### 16. Additional Information

#### 16.1 Abbreviations and acronyms:

CAS	Chemical Abstracts Service
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
IMDG	International Maritime Dangerous Goods
IATA	International Air Transportation Association
TWA	Time Weighted Average
STEL	Short term exposure limit

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LC50      Lethal Concentration 50%  
LD50      Lethal Dose 50%  
EC50      Effective Concentration 50%

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