

# GRANITE SURFACES MSDS

**DEYUANS**  
德源

## PANMIN

**Corporate Headquarters:**

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**Cambodia Factory:**

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## Material Safety Data Sheet

### 1 Identification

**Trade name:** Granite Surfaces

**Recommended use of the chemical and restrictions on use:**

**Application of the substance / the preparation:** Countertops, Floorings, etc

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** XIAMEN DEYUAN PANMIN TRADING CO., LTD.

**Full address:** 2002 XINJING TOWER A, NO.21 JIAHE ROAD, SIMING DISTRICT, XIAMEN, FUJIAN

**Phone number:** +86-592-8065759

**Email:** info@panmin.com

**Other U.S. contact point:** Not available

**Further information obtainable from:** XIAMEN DEYUAN PANMIN TRADING CO., LTD.

**Emergency telephone number:**

Poison Center

Tel: +1 800 222 1222

### 2 Hazard(s) identification

**Classification of the substance or mixture**

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

**Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

**Label elements**

**Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**Hazard pictograms**

GHS07

**Signal word** Warning**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

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.

**Hazards not otherwise classified (HNOC)** No further relevant information available.

### 3 Composition/information on ingredients

**Chemical characterization: Mixtures****Description:**

Mixture of the substances listed below with nonhazardous additions. For the wording of the listed hazard statements refer to Section 16.

<b>Composition:</b>			
1317-65-3	Limestone		0-100%
14808-60-7	Quartz (SiO <sub>2</sub> )		0-72%
68476-25-5	Feldspar-group minerals	Eye Irrit. 2A, H319; STOT SE 3, H335	0-15%
12001-26-2	Mica		0-5%
1345-25-1	iron oxide		0-2%

**Remark:**

Quartz (SiO<sub>2</sub>) (CAS: 14808-60-7)

Note: Crystalline silica as quartz

Feldspar-group minerals (CAS: 68476-25-5) Note: Feldspar

Mica (CAS: 12001-26-2)

Note: Biotite

**4 First-aid measures****Description of first aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** If symptoms persist consult doctor.

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-fighting measures

**Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

**Special hazards arising from the substance or mixture:** No further relevant information available.

**Special protective equipment and precautions for firefighters**

**Protective equipment:** No special measures required.

## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Not required.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:** Pick up mechanically.

## 7 Handling and storage

**Precautions for safe handling:** For the general occupational hygienic measures refer to Section 8.

**Information about protection against explosions and fires:** No special measures required.

**Conditions for safe storage, including any incompatibilities**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

## 8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace:		
<b>14808-60-7 Quartz (SiO<sub>2</sub>) (0-72%)</b>		
PEL (USA)	Long-term value: 0.05* mg/m <sup>3</sup>	*resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL (USA)	Long-term value: 0.05* mg/m <sup>3</sup>	*respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.025* mg/m <sup>3</sup>	*as respirable fraction
<b>12001-26-2 Mica (0-5%)</b>		
PEL (USA)	Long-term value: 20 mppcf ppm	<1% crystalline silica
REL (USA)	Long-term value: 3* mg/m <sup>3</sup>	*respirable dust; containing < 1% quartz
TLV (USA)	Long-term value: 3* NIC-0.1** mg/m <sup>3</sup>	*resp.fraction;**no asbestos,<1%crystalline silica
<b>1345-25-1 iron oxide (0-2%)</b>		
REL (USA)	Long-term value: 1 mg/m <sup>3</sup>	as Fe
TLV (USA)	Long-term value: 1 mg/m <sup>3</sup>	as Fe

### Regulatory information

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)

REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (USA): Guide to Occupational Exposure Values (ACGIH)

**Additional information:** The lists that were valid during the creation were used as basis.

**Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**

### Appropriate engineering controls:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Avoid contact with the eyes.

Avoid contact with the eyes and skin.

See Section 7 for information about design of technical facilities.

### Personal protective equipment:

**Breathing equipment:** Not required.

**Protection of hands:****Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:****Tightly sealed goggles**

## 9 Physical and chemical properties

<b>General Information</b> <b>Appearance:</b> <b>Form:</b> <b>Color:</b> <b>Odor:</b> <b>Odor threshold:</b>	Solid According to product specification Odorless Not available
<b>pH-value:</b>	Not available
<b>Change in condition</b> <b>Melting point/Freezing point:</b> <b>Initial boiling point and boiling range:</b>	Not available Not available
<b>Flash point:</b>	Not available
<b>Flammability (solid, gaseous):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Explosion limits:</b> <b>Lower:</b> <b>Upper:</b>	Not available Not available
<b>Vapor pressure:</b>	Not available
<b>Density:</b> <b>Relative density:</b> <b>Vapor density:</b> <b>Evaporation rate:</b>	Not available Not available Not available Not available
<b>Solubility in / Miscibility with Water:</b>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Viscosity:</b> <b>Dynamic:</b> <b>Kinematic:</b>	Not available Not available
<b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

**Reactivity:** No further relevant information available.

**Chemical stability:** No further relevant information available.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

**Acute toxicity:**

LD/LC50 values that are relevant for classification:		
1317-65-3 Limestone		
Oral	LD50	6,450 mg/kg (rat)

**Skin corrosion/irritation:** Irritating effect possible.

**Serious eye damage/irritation:** Irritating effect.

**Respiratory or skin sensitization:** Sensitization possible.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

### Carcinogenic categories

IARC (International Agency for Research on Cancer)		
14808-60-7	Quartz (SiO <sub>2</sub> )	1
NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO <sub>2</sub> )	K
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

## 12 Ecological information

### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

### Waste treatment methods

#### Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packagings:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

UN-Number DOT, IMDG, IATA	Not applicable
UN proper shipping name DOT, IMDG, IATA	Not applicable
Transport hazard class(es) DOT, IMDG, IATA Class Label	Not applicable -
Packing group DOT, IMDG, IATA	Not applicable
Environmental hazards: Marine pollutant:	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
UN "Model Regulation":	Void

### 15 Regulatory information

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

<b>Section 355 (extremely hazardous substances):</b>		None of the ingredients is listed.
<b>Section 313 (Specific toxic chemical listings):</b>		None of the ingredients is listed.
<b>TSCA (Toxic Substances Control Act):</b>		
1317-65-3 14808-60-7 68476-25-5 1345-25-1	Limestone Quartz (SiO <sub>2</sub> ) Feldspar-group minerals iron oxide	ACTIVE ACTIVE ACTIVE ACTIVE

**Proposition 65**

<b>Chemicals known to cause cancer:</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	
<b>Chemicals known to cause reproductive toxicity for females:</b>		None of the ingredients is listed.
<b>Chemicals known to cause reproductive toxicity for males:</b>		None of the ingredients is listed.
<b>Chemicals known to cause developmental toxicity:</b>		None of the ingredients is listed.
<b>New Jersey Right-to-Know List:</b>		
1317-65-3 14808-60-7 12001-26-2	Limestone Quartz (SiO <sub>2</sub> ) Mica	
<b>New Jersey Special Hazardous Substance List:</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	CA
<b>Pennsylvania Right-to-Know List:</b>		
1317-65-3 14808-60-7 12001-26-2	Limestone Quartz (SiO <sub>2</sub> ) Mica	
<b>Pennsylvania Special Hazardous Substance List:</b>		None of the ingredients is listed.

**Carcinogenicity categories**

<b>EPA (Environmental Protection Agency)</b>		None of the ingredients is listed.
<b>TLV (Threshold Limit Value established by ACGIH)</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	A2
<b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
14808-60-7	Quartz (SiO <sub>2</sub> )	

## 16 Other information

### Relevant hazard statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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### Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3