

**Safety Data Sheet****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier**

Trade Name : Taimei Stone Co., Ltd
 Chemical Name : Agglomerate of natural quartz and polyester resin

1.2. Recommended and Restricted Use

Recommended Use : Surface Material
 Restricted Use : Do not fabricate the material, including grinding, buffing, chipping, sanding, drilling, polishing, or other processes that generate dust, prior to reading and understanding all contents of this Safety Data Sheet, the Fabrication Manual, and the product information label.

1.3. Details of the Supplier of the Safety Data Sheet

Taimei Stone Co., Ltd
 168 Moo 9, Tombon Tha Bunmi, Amphoe Koh Chan,
 Chonburi 20240, Thailand
 Tel: +66 0641808233

1.4. Emergency Telephone Number

Product/Safety Issues : +66 0641808233
 Chemtel-Transportation Issues : 800-255-3924
 Emergency Responders : 911

SECTION 2: Hazards Identification**2.1. Classification of the Substance / Mixture Classification**

Carc. 1A : Carcinogenicity, Category 1A
 STOT RE 1 : Specific target organ toxicity (repeated exposure) Category 1
 H350 : May cause cancer
 H372 : Causes damage to organs through prolonged or repeated exposure

2.2. Label Elements / Labeling

Hazard Pictograms :



GHS08

Signal Word :

Danger

Hazard Statements :

H350 - May cause cancer.
 H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements :

P103 - Read label before use.
 P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P285 - In case of inadequate ventilation wear respiratory protection.
 P308 + P313 - IF exposed or concerned: Get medical advice/attention.
 P314 - Get medical advice/attention if you feel unwell.
 P335 - Brush off loose particles from skin.
 P363 - Wash contaminated clothing before reuse.
 P401 - Store indoors.
 P403 - Store in a well-ventilated place.
 P405 - Store locked up.
 P410 + P403 - Protect from sunlight. Store in a well-ventilated place.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Safety Data Sheet****3. Other Hazards**

Contact with eye and skin may cause reversible physical irritation to eye and skin.

4. Unknown Acute Toxicity (GHS-US)

Not applicable.

SECTION 3: Composition / Information on Ingredients**1. Substance**

Not applicable.

2. Mixture

Chemical Name (Common Name)	Product identifier	%
Crystalline Silica (Quartz)	(CAS No) 14808-60-7	<= 93
Pigmented cured polyester	(CAS No) Not available	<10
Polymethylmethacrylate (Polyester Resin Solution)	(CAS No) 9011-14-7	<10

SECTION 4: First Aid Measures**4.1. Description of First Aid Measures**

First-Aid Measures General	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-Aid Measures After Inhalation	: Allow breathing of fresh air. Allow the victim to rest.
First-Aid Measures After Skin Contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Obtain medical attention if pain, blinking, tears or redness persists.
First-Aid Measures After Eye Contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persists.
First-Aid Measures After Ingestion	: Rinse mouth. Do NOT induce vomiting. Give a glass of water. Obtain emergency medical attention.

4.2. Most Important Symptoms and Effects, both Acute and Delayed

Symptoms/Injuries	: Causes damage to organs through prolonged or repeated exposure.
Symptoms/Injuries After Inhalation	: May cause cancer by inhalation.

4.3. Indication of Any Immediate Medical Attention and Special Treatment needed

No additional information available

SECTION 5: Firefighting Measures**5.1. Extinguishing Media**

Suitable Extinguishing Media	: Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable Extinguishing Media	: None known

2. Special Hazards Arising from the Substance or Mixture

No additional information available

3. Advice for firefighters

Protective Equipment For Firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.
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SECTION 6: Accidental Release Measures**1. Personal Precautions, Protective Equipment and Emergency Procedures****1. For Non-Emergency Personnel**

Emergency Procedures	: Evacuate unnecessary personnel from the scene. Do your personal protective equipment. Collect materials for proper disposal per 6.3 below.
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Safety Data Sheet

6.1.2. For Emergency Responders

Protective Equipment : Equip cleanup crew with proper protection.
Emergency Procedures : Ventilate area. Sweep or shovel spills into appropriate container for disposal.

6.2. Environmental Precautions

Avoid release of dust and residue materials to the environment.

6.3. Methods and Material for Containment and Cleaning Up

Methods For Cleaning Up : To dispose of dust or debris, use a HEPA vacuum system and place the waste into suitable containers. Minimize generation of dust by dampening dust, debris or area to be swept with water prior to sweeping. Store away from other materials.

6.4. Reference to Other Sections

See "Section 8. Exposure controls and personal protection."

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Precautions For Safe Handling : Avoid breathing dust. Avoid contact with skin and eyes. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene Measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage Conditions : Keep only in the original container in a cool, well-ventilated area. Product should be stored in covered area to protect from any damage.
Incompatible Condition : For best quality protection, the surface should be protected from direct sunshine and rain.

7.3. Specific End Use(S)

No additional information available.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
OSHA	OSHA PEL (mg/m ³)	

8.2. Exposure controls

Appropriate Engineering Controls : Use adequate ventilation.
Personal Protective Equipment : Gloves. Safety glasses. Protective clothing. Respiratory protection.



Skin And Body Protection : Avoid prolonged skin contact with powder generated. Wear safety gloves and steel-toed shoes.
Eye Protection : Wear goggles with air valves.
Respiratory Protection : Avoid inhalation of powder generated. Wear a respirator.

SECTION 9: Physical And Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical State : Solid
Appearance : Multi-colored solid and granular texture

**Safety Data Sheet**

Color	: Varies
Odor	: None-Odorless
Odor Threshold	: No data available
Ph	: No data available
Relative Evaporation Rate (Butyl Acetate=1)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: 914 °F (490 °C)
Auto-Ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (Solid, Gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density At 20 °C	: No data available
Relative Density	: 2.35 - 2.45 (water=1)
Solubility	: Not soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, Kinematic	: No data available
Viscosity, Dynamic	: No data available
Explosive Properties	: No data available
Oxidising Properties	: No data available
Explosive Limits	: No data available
Evaporation Rate	: No data available
Partition Coefficient: N-Octanol/Water	: No data available

9.2. Other Information

No additional information available.

SECTION 10: Stability And Reactivity

1. Reactivity

No additional information available.

2. Chemical Stability

Stable at normal temperatures and storage conditions.

3. Possibility of Hazardous Reactions

Polymerization will not occur in solid state.

4. Conditions to Avoid

Avoid damage or impact to the material. For best quality protection, avoid direct sunlight for storage.

5. Incompatible Materials

Alkaline solution, Methylene Chloride, Paint Remover, Cleaners that contain pine oil, abrasive scrubs, cleaners containing either soft or hard abrasive particles, acetone, bleach.

6. Hazardous Decomposition Products

No additional information available.

SECTION 11: Toxicological Information

1. Information on Toxicological Effects

Acute Toxicity	: Not classified
Skin Corrosion/Irritation	: Not classified
Serious Eye Damage/Irritation	: Not classified

Safety Data Sheet

Respiratory Or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Carcinogenicity	: May cause cancer
Reproductive Toxicity	: Not classified
Specific Target Organ Toxicity (Single Exposure)	: Not classified
Specific Target Organ Toxicity (Repeated Exposure)	: Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard	: Inhalation and potential exposures to eyes, hands, lungs or other body parts if contact is made with dust emitted from the fabrication process or if the material is crushed, damaged, or altered.
Acute Effects	: Breathing dust may cause acute mechanical respiratory irritation. Skin and eye contact may cause irritation.

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

SECTION 12: Ecological Information

1. Toxicity

Toxicity is expected to be low due to the insolubility of the material.

2. Persistence and Degradability

Not established.

3. Bioaccumulative Potential

Not established.

4. Mobility in Soil

No additional information available.

5. Other Adverse Effects

Effect On Ozone Layer : No additional information available

Effect On The Global Warming : No additional information available

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Dispose in a safe manner in accordance with federal, state and local regulations.

SECTION 14: Transport information

Always transport in accordance with the regulations set forth by the Department of Transportation.

Additional Information : No supplementary information is available.

ADR : No additional information available.

Transport by Sea : No additional information available.

Air Transport : No additional information available.

SECTION 15: Regulatory Information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.



Safety Data Sheet

15.2. International Regulations

CANADA

Quartz (14808-60-7)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

EU-Regulations

Quartz (14808-60-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Exempted from REACH Registration in accordance with Annex V.7. of Regulation (EC) 1907/2006.

Other International Regulations

Quartz (CAS No.: 14808-60-7)
Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

CALIFORNIA PROPOSITION 65

⚠ WARNING: this product can exposure you to chemicals including Silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The State of California, under Proposition 65, regulates Silica, crystalline (airborne particles of respirable size) as a carcinogen. In this product, Silica, crystalline is not supplied in the form regulated in California.

Silica, crystalline (airborne particles of respirable size), resulting from fabrication of Quartz (CAS No.: 14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

SECTION 16: Other Information

Abbreviations and Acronyms

: ACGIH (American Conference of Government Industrial Hygienists). ATE - acute toxicity estimate. CAS (Chemical Abstracts Service) number. CLP - Classification, Labelling and Packaging. HCS - Hazard Communication Standard. IARC (International Agency for Research on Cancer). Overland transport (ADR). TWA - Time Weighted Average. TSCA - Toxic Substance Control. European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. European Agreement concerning the International Carriage of Dangerous Goods by Road. Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008. International Agency for Research on Cancer. Median effective concentration. International Air Transport Association. Median lethal concentration. Median lethal dose.

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his or her own particular use.