

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking
1.1. Product Identifier

Trade Name	Viatera® (Engineered Stone)
Chemical Name	Agglomerate of natural quartz and polyester resin

1.2. Recommended and Restricted Uses

Recommended Use	Surface Material
Restricted Use	Do not fabricate the material, including grinding, butting, shipping, sanding, drilling, polishing or other processes that generate dust prior to reading and understanding the contents of this Safety Data Sheet.

1.3. Details of the Supplier of the Safety Data Sheet

LG Hausys America, Inc.
 900 Circle 75 Parkway, Suite 1500
 Atlanta, GA 30339
 Tel: 678-486-8250


1.4. Emergency Telephone Numbers

Product/Safety Issues	(706) 879-3200
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,

Viatera®

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Date of issue: 06/29/2010

Revision date: 09/19/2017

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in accordance with local, regional, national and/or international regulation.

2.3. Other Hazards

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

2.4. Unknown Acute Toxicity (GHS-US).

Not applicable.

SECTION 3: Composition / Information on Ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Chemical Name (Common Name)	Product identifier	%
Crystalline Silica (Quartz)	(CAS No) 14808-60-7	>= 90
Pigmented cured polyester	(CAS No) Not available	<10
Polymethylmethacrylate (Polyester Resin Solution)		<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 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

5.2. Special Hazards Arising from the Substance Or Mixture upon Fire or Combustion Products Created

No additional information available

5.3. Advice for Firefighters

Do not enter fire area without proper protective equipment, including, respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel, evacuate unnecessary personnel from the scene. Collect materials for proper disposal per 6.3

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below.

Emergency responders should wear proper protective equipment during the cleanup. Ventilate area. Sweep or shovel spills, if any, 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

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

Safe handling measures	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 by handling personnel. Avoid spilling the product, as this might cause danger of slippage and falls.
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 any damage.
Incompatible condition	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)

8.2. Exposure Controls

Appropriate engineering controls	Use adequate ventilation.
Personal protective equipment	Safety glasses. Gloves. 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

Viatera®

Safety Data Sheet

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Physical state	Solid
Appearance	Multi-colored solid and granular texture
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
Oxidizing 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

10.1. Reactivity

No additional information available.

10.2. Chemical Stability

Stable at normal temperatures and storage conditions.

10.3. Possibility of Hazardous Reactions

Polymerization will not occur in solid state.

10.4. Conditions to Avoid

Avoid wet condition. Avoid damage or impact to the material.

10.5. Incompatible Materials

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

10.6. Hazardous Decomposition Products

No additional information available.

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SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
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 exposure 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)	
ARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

SECTION 12: Ecological Information

12.1. Toxicity

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

12.2. Persistence and Degradability

Not established.

12.3. Bioaccumulative Potential

Not established.

12.4. Mobility in Soil

No additional information available.

12.5. 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 available.

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ADR

No additional information available.

Sea Transport

No additional information available.

Air Transport

No additional information available.

SECTION 15: Regulatory information

15.1. U.S. 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.

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]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.1. Other National Regulations

Quartz (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. U.S. State Regulations

California Proposition 65 – WARNING: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, birth defects and/or reproductive toxicity.

Quartz (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 ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE – Acute Toxicity Estimate. CAS – Chemical Abstracts Service number. CLP – Classification, Labeling and Packaging. EC – Median effective concentration. HCS – Hazard Communication Standard. IARC – International Agency for Research on Cancer. IATA – International Air Transport Association. LC – Median lethal concentration. LD – Median lethal dose. TWA – Time Weighted Average. TSCA – Toxic Substance Control.
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Full text of H-statements:

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

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.