



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Spartacote Blended Quartz  
**Other means of identification** None.  
**Recommended use** Chip.  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**  
**Company Name** LATICRETE International  
**Address** 1 Laticrete Park, N  
Bethany, CT 06524  
**Telephone** (203)-393-0010  
**Contact person** Steve Fine  
**Website** www.laticrete.com  
**Emergency phone number** Call CHEMTREC day or night  
USA/Canada - 1.800.424.9300  
Mexico - 1.800.681.9531  
Outside USA/Canada  
1.703.527.3887

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Carcinogenicity Category 1A  
Specific target organ toxicity, repeated exposure Category 2 (lung)  
**OSHA defined hazards** Not classified.  
**Label elements**



**Signal word** Danger  
**Hazard statement** May cause cancer. May cause damage to organs (lung) through prolonged or repeated exposure.  
**Precautionary statement**  
**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume.  
**Response** If exposed or concerned: Get medical advice/attention.  
**Storage** Store locked up.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name               | CAS number | %       |
|-----------------------------|------------|---------|
| Crystalline Silica (Quartz) | 14808-60-7 | 95 - 97 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Do not rub eyes. Get medical attention if irritation develops and persists. Rinse with water. Remove contact lenses, if present and easy to do.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** Coughing. Dust may irritate the eyes and the respiratory system.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention.

#### 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** In case of fire and/or explosion do not breathe fumes.

**General fire hazards** No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep upwind. Avoid formation of dust. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

**Methods and materials for containment and cleaning up** Stop the flow of material, if this is without risk. Sweep or shovel up material and place in a clearly labeled container for waste. Collect dust using a vacuum cleaner. Following product recovery, flush area with water.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

**Precautions for safe handling** Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Wear appropriate personal protective equipment. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Keep container tightly closed. Store in a cool, dry place out of direct sunlight.

#### 8. Exposure controls/personal protection

##### Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                        | Type | Value                | Form        |
|-----------------------------------|------|----------------------|-------------|
| Titanium dioxide (CAS 13463-67-7) | PEL  | 15 mg/m <sup>3</sup> | Total dust. |

### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components                                      | Type | Value                 | Form        |
|---|------|-----------------------|-------------|
| Crystalline Silica (Quartz)<br>(CAS 14808-60-7) | TWA  | 0.3 mg/m <sup>3</sup> | Total dust. |
|   |      | 0.1 mg/m <sup>3</sup> | Respirable. |
|   |      | 2.4 mppcf             | Respirable. |

### US. ACGIH Threshold Limit Values

| Components                                      | Type | Value                   | Form                 |
|---|------|-------------------------|----------------------|
| Crystalline Silica (Quartz)<br>(CAS 14808-60-7) | TWA  | 0.025 mg/m <sup>3</sup> | Respirable fraction. |
| Titanium dioxide (CAS<br>13463-67-7)            | TWA  | 10 mg/m <sup>3</sup>    |                      |

### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                                      | Type | Value                  | Form             |
|---|------|------------------------|------------------|
| Crystalline Silica (Quartz)<br>(CAS 14808-60-7) | TWA  | 0.05 mg/m <sup>3</sup> | Respirable dust. |

|  |  |
|--|--|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Exposure guidelines</b>   | Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. |
| <b>Individual protection measures, such as personal protective equipment</b> |  |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).  |
| <b>Skin protection</b>   |  |
| <b>Hand protection</b>   | Wear chemical-resistant, impervious gloves.  |
| <b>Other</b>   | Wear appropriate chemical resistant clothing.  |
| <b>Respiratory protection</b>  | Wear a dust mask if dust is generated above exposure limits.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.  |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.   |

## 9. Physical and chemical properties

|  |                      |
|--|----------------------|
| <b>Appearance</b>                              | Miscellaneous Colors |
| <b>Physical state</b>                          | Solid.               |
| <b>Form</b>                                    | Not available.       |
| <b>Color</b>                                   | Not available.       |
| <b>Odor</b>                                    | Odorless.            |
| <b>Odor threshold</b>                          | Not available.       |
| <b>pH</b>                                      | Not available.       |
| <b>Melting point/freezing point</b>            | Not applicable.      |
| <b>Initial boiling point and boiling range</b> | Not established.     |
| <b>Flash point</b>                             | Not available.       |
| <b>Evaporation rate</b>                        | Not applicable.      |
| <b>Flammability (solid, gas)</b>               | Not available.       |

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not Volatile.

**Relative density** 2.65 g/cc

**Solubility(ies)**

**Solubility (water)** Insoluble.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**VOC (Weight %)** Not Volatile.

**10. Stability and reactivity**

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents. Hydrofluoric acid.

**Hazardous decomposition products** No hazardous decomposition products are known.

**11. Toxicological information****Information on likely routes of exposure**

**Inhalation** Dust may irritate respiratory system.

**Skin contact** May cause irritation through mechanical abrasion.

**Eye contact** Dust may irritate the eyes.

**Ingestion** May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Coughing. Dust may irritate the eyes and the respiratory system.

**Information on toxicological effects**

**Acute toxicity** May cause discomfort if swallowed.

| <b>Components</b>                        | <b>Species</b>                                    | <b>Test Results</b> |
|--|---|---------------------|
| Titanium dioxide (CAS 13463-67-7)        |   |                     |
| <b>Acute</b>                             |   |                     |
| <i>Inhalation</i>                        |   |                     |
| LC50                                     | Rat   | 3.43 mg/l, 4 Hours  |
| <i>Oral</i>                              |   |                     |
| LD50                                     | Rat   | > 5000 mg/kg        |
| <b>Skin corrosion/irritation</b>         | May cause irritation through mechanical abrasion. |                     |
| <b>Serious eye damage/eye irritation</b> | Dust may irritate the eyes.                       |                     |
| <b>Respiratory or skin sensitization</b> |   |                     |
| <b>Respiratory sensitization</b>         | No data available.                                |                     |
| <b>Skin sensitization</b>                | Not a skin sensitizer.                            |                     |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** May cause cancer. In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

|  |                                     |
|--|-------------------------------------|
| Crystalline Silica (Quartz) (CAS 14808-60-7) | 1 Carcinogenic to humans.           |
| Titanium dioxide (CAS 13463-67-7)            | 2B Possibly carcinogenic to humans. |

**NTP Report on Carcinogens**

|  |                               |
|--|-------------------------------|
| Crystalline Silica (Quartz) (CAS 14808-60-7) | Known To Be Human Carcinogen. |
|--|-------------------------------|

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** No data available.

**Specific target organ toxicity - repeated exposure** May cause damage to organs (lung) through prolonged or repeated exposure.

**Aspiration hazard** Due to the physical form of the product it is not an aspiration hazard.

**Chronic effects** Crystalline silica: Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease.

**Further information** Inhalation of high concentrations of quartz dust can lead to the lung disease known as silicosis, with cough and shortness of breath.

**12. Ecological information**

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available for this product.

**Mobility in soil** The product is not mobile in soil.

**Other adverse effects** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**13. Disposal considerations**

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT**  
Not regulated as dangerous goods.

## IATA

Not regulated as dangerous goods.

## IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** This substance/mixture is not intended to be transported in bulk.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**  
Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** WARNING: This product contains chemicals known to the State of California to cause cancer.

### US. Massachusetts RTK - Substance List

Crystalline Silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

### US. New Jersey Worker and Community Right-to-Know Act

Crystalline Silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

Crystalline Silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

### US. Rhode Island RTK

Not regulated.

## US. California Proposition 65

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Crystalline Silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 12-October-2015

**Revision date** -

**Version #** 01

**NFPA ratings**



**References** HSDB® - Hazardous Substances Data Bank  
Registry of Toxic Effects of Chemical Substances (RTECS)

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