



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** LATICRETE Spectralock Part C Colored Powder

**Other means of identification** None.

### Recommended use of the chemical and restrictions on use

**Recommended use** Grout.

**Restrictions on use** Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

### Details of manufacturer or importer

#### Manufacturer

**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

#### Supplier

**Company name** LATICRETE Australia  
**Address** P.O. Box 508  
 Virginia Business Mail Centre  
 29 Telford Street  
 VIRGINIA QLD 4014  
 Australia  
**Telephone** (61) (7) 3865-1599  
**Website** www.laticrete.com  
**Emergency phone number** 1.703.527.3887

## 2. Hazard(s) identification

### Classification of the hazardous chemical

|                              |  |                   |
|------------------------------|--|-------------------|
| <b>Physical hazards</b>      | Not classified.  |                   |
| <b>Health hazards</b>        | Skin corrosion/irritation                                  | Category 2        |
|                              | Serious eye damage/eye irritation                          | Category 2        |
|                              | Carcinogenicity  | Category 1A       |
|                              | Specific target organ toxicity following repeated exposure | Category 2 (Lung) |
| <b>Environmental hazards</b> | Not classified.  |                   |

### Label elements, including precautionary statements

**Hazard symbol(s)**

Health hazard

Exclamation mark

**Signal word**

Danger

**Hazard Statement(s)**

Causes skin irritation. Causes serious eye irritation. May cause cancer. May cause damage to organs (Lung) through prolonged or repeated exposure.

**Precautionary Statement(s)****Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage**

Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards which do not result in classification**

Not classified.

**Supplemental information**

None.

**3. Composition/information on ingredients****Mixture**

| Identity of chemical ingredients | CAS number and other unique identifiers | Concentration of ingredients |
|----------------------------------|---|------------------------------|
| Silica Sand                      | 14808-60-7                              | 95 - 99                      |
| Titanium dioxide                 | 13463-67-7                              | 0 - 7                        |
| Sodium silicate                  | 1344-09-8                               | 0.8 - 2                      |

**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****Description of necessary 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 plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Eye contact**

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

**Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

**Personal protection for first-aid responders**

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. Wash contaminated clothing before reuse.

**Symptoms caused by exposure**

Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.

**Medical attention and special treatment**

Provide general supportive measures and treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

|   |   |
|---|---|
| <b>Unsuitable extinguishing media</b>                                 | None known.   |
| <b>Specific hazards arising from the chemical</b>                     | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for fire fighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                           | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>Hazchem Code</b>   | None.   |
| <b>General fire hazards</b>   | No unusual fire or explosion hazards noted.   |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                                    |   |
|------------------------------------|---|
| <b>For non-emergency personnel</b> | Keep unnecessary personnel away. Keep upwind. Avoid formation of dust. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. |
| <b>For emergency responders</b>    | Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.   |

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

**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.

## 7. Handling and storage

**Precautions for safe handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store locked up. Store in a cool, dry place out of direct sunlight.

## 8. Exposure controls and personal protection

**Control parameters** Follow standard monitoring procedures.

### Occupational exposure limits

#### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

| Components                        | Type | Value                 | Form             |
|-----------------------------------|------|-----------------------|------------------|
| Silica Sand (CAS 14808-60-7)      | TWA  | 0.1 mg/m <sup>3</sup> | Respirable dust. |
| Titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m <sup>3</sup>  | Inhalable dust.  |

#### Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

| Components                        | Type | Value                 | Form             |
|-----------------------------------|------|-----------------------|------------------|
| Silica Sand (CAS 14808-60-7)      | TWA  | 0.1 mg/m <sup>3</sup> |                  |
| Titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m <sup>3</sup>  | Inspirable dust. |

#### US. ACGIH Threshold Limit Values

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

## UK. EH40 Workplace Exposure Limits (WELs)

| Components                        | Type | Value                 | Form        |
|-----------------------------------|------|-----------------------|-------------|
| Silica Sand (CAS 14808-60-7)      | TWA  | 0.1 mg/m <sup>3</sup> | Respirable. |
| Titanium dioxide (CAS 13463-67-7) | TWA  | 4 mg/m <sup>3</sup>   | Respirable. |
|                                   |      | 10 mg/m <sup>3</sup>  | Inhalable   |

|  |  |
|--|--|
| <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, for example personal protective equipment (PPE)</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>Hygiene measures</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

### Appearance

|  |   |
|--|---|
| <b>Physical state</b>                          | Solid.  |
| <b>Form</b>                                    | Powder.                                       |
| <b>Colour</b>                                  | Colored.                                      |
| <b>Odour</b>                                   | Not available.                                |
| <b>Odour threshold</b>                         | Not available.                                |
| <b>pH</b>                                      | Not available.                                |
| <b>Melting point/freezing point</b>            | Not available.                                |
| <b>Initial boiling point and boiling range</b> | Not available.                                |
| <b>Flash point</b>                             | This product is not flammable or combustible. |
| <b>Evaporation rate</b>                        | Not available.                                |
| <b>Flammability (solid, gas)</b>               | Not available.                                |
| <b>Vapour pressure</b>                         | Not available.                                |
| <b>Vapour density</b>                          | Not available.                                |
| <b>Relative density</b>                        | Not available.                                |
| <b>Solubility(ies)</b>                         |   |
| <b>Solubility (water)</b>                      | Insoluble                                     |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                                |
| <b>Auto-ignition temperature</b>               | Not available.                                |
| <b>Decomposition temperature</b>               | Not available.                                |
| <b>Viscosity</b>                               | Not available.                                |

## 10. Stability and reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|-------------------|---|

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                 |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use. |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.                        |
| <b>Incompatible materials</b>             | Strong oxidising agents.                                    |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.              |

## 11. Toxicological information

### Information on possible routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. |
| <b>Skin contact</b> | Causes skin irritation.  |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>    | Swallowing may cause gastrointestinal irritation.  |

**Symptoms related to exposure** Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.

**Acute toxicity** May cause respiratory irritation.

| Components                        | Species | Test results       |
|-----------------------------------|---------|--------------------|
| Sodium silicate (CAS 1344-09-8)   |         |                    |
| <b>Acute</b>                      |         |                    |
| <i>Oral</i>                       |         |                    |
| LD50                              | Mouse   | 1100 mg/kg         |
|                                   | Rat     | 1.1 g/kg           |
| 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       |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory or skin sensitisation

**Respiratory sensitisation** No data available.

**Skin sensitisation** Not a skin sensitiser.

**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)

### ACGIH Carcinogens

Silica Sand (CAS 14808-60-7)

A2 Suspected human carcinogen.

Titanium dioxide (CAS 13463-67-7)

A4 Not classifiable as a human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Silica Sand (CAS 14808-60-7)

1 Carcinogenic to humans.

Titanium dioxide (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**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** Prolonged or repeated exposure may cause lung injury, including silicosis.

## 12. Ecological information

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

| Components                           | Species   | Test results  |
|--------------------------------------|---|---|
| Sodium silicate (CAS 1344-09-8)      |   |   |
| <b>Aquatic</b>                       |   |   |
| Crustacea                            | EC50  | Water flea (Ceriodaphnia dubia) 0.28 - 0.57 mg/l, 48 hours  |
| Fish                                 | LC50  | Western mosquitofish (Gambusia affinis) 1800 mg/l, 96 hours |
| <b>Persistence and degradability</b> | No data is available on the degradability of this product.  |   |
| <b>Bioaccumulative potential</b>     | No data available for this product.   |   |
| <b>Mobility in soil</b>              | The product is insoluble in water and will sediment in water systems.   |   |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |   |

## 13. Disposal considerations

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

**Residual waste** 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

**ADG**  
Not regulated as dangerous goods.

**RID**  
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

### Safety, health and environmental regulations

**National regulations** This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

**Australia Medicines & Poisons Appendix A**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix B**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix C**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix D**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix E**

Sodium silicate (CAS 1344-09-8)

For advice, contact a Poisons information Centre (Phone eg Australia 131 - 126; New Zealand 03 - 4747 - 000) or a doctor (at once)., If swallowed, do NOT induce vomiting., If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes., If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

**Australia Medicines & Poisons Appendix F**

Sodium silicate (CAS 1344-09-8)

applies to all preparations in any concentration Strongly alkaline. Avoid contact with eyes., Avoid contact with skin.

**Australia Medicines & Poisons Appendix G**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix H**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix I**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix J**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix K**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 2**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 3**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 4**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 5**

Sodium silicate (CAS 1344-09-8)

applies to all preparations in any concentration Exception may apply, see the regulation for relevance.

**Australia Medicines & Poisons Schedule 6**

Sodium silicate (CAS 1344-09-8)

for non-domestic use. Exception may apply, see the regulation for relevance.

**Australia Medicines & Poisons Schedule 7**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 8**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 9**

Poisons schedule number not allocated.

**High Volume Industrial Chemicals (HVIC)**

Silica Sand (CAS 14808-60-7)

100000 - 999999 TONNES See the regulation for additional information.

Sodium silicate (CAS 1344-09-8)

10000 - 99999 TONNES See the regulation for additional information.

Titanium dioxide (CAS 13463-67-7)

100000 - 999999 TONNES See the regulation for additional information.

**Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**

Not listed.

**National Pollutant Inventory (NPI) substance reporting list**

Not listed.

**Prohibited Carcinogenic Substances**

Not regulated.

**Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)**

Not listed.

**Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

## International regulations

### Stockholm Convention

Not applicable.

### Rotterdam Convention

Not applicable.

### Kyoto protocol

Not applicable.

### Montreal Protocol

Not applicable.

### Basel Convention

Not applicable.

## 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

**Issue date** 15-March-2016

**Revision date** -

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

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