

**SRI SUPREME**

## **SAFETY DATA SHEET**

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Revision date: 11/18/15

### **SECTION 1: PRODUCT IDENTIFICATION**

Supplier Name:

**Silica Resources, Inc.**

P.O. Box 167

Loomis, CA 95650-0167

Telephone Number: (916) 652-1704

Plant Location:

4553 Hammonton Road

Marysville, CA 95901

Emergency Telephone Number:

(530) 741-0290 or (530) 870-1096

Pit Location:

6130 Highway 20

Browns Valley, CA 95918

Emergency Telephone Number:

(530) 742-2890 or (530) 870-1181

Refers to the following products listed as SRI Supreme and/or grades:

SRI Supreme sand, gravel and cobbles.

Product uses: Siliceous aggregates used in various applications.

### **SECTION 2: HAZARDS IDENTIFICATION**

**Classification of substance or mixture.**

Acute toxicity - Category 4 (oral)

Carcinogenicity – Category 1A

Specific target organ toxicity – Repeated exposure – Category 1

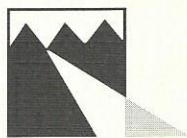
Eye Irritant – Category 2B

**Hazard pictograms**



**Signal word: DANGER !**





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**Hazard Statement:**

May cause cancer through chronic inhalation.

May cause respiratory irritation.

Causes damage to lungs through prolonged or repeated inhalation.

Causes eye irritation if particles or dust get in eye.

**Precautionary statements:**

Do not breathe dust.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Use only in a well ventilated area.

If exposed or concerned: Get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Immediately seek medical advice or attention if symptoms are significant or persist.**

Dispose of contents/containers in accordance with all regulations.

**Other Hazards:** No additional information is available.

**Unknown acute toxicity:** None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous Components:** Sand, Silica, Quartz      **CAS No.:** 14808-60-7      **% by Weight:** 100%

**SECTION 4: FIRST-AID MEASURES**

**Description of first-aid measures:**

**After inhalation:** Remove person to fresh air and keep comfortable for breathing.

**After skin contact:** Rinse skin with water.

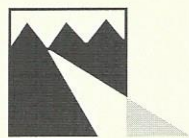
**After eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**After swallowing:** If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed:**

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.





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**Skin contact:** May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Handling can cause dry skin.

**Eye Contact:** May cause eye irritation if particles or dust get in eye. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Immediately seek medical advice or attention if symptoms are significant or persist.

**SECTION 5: FIREFIGHTING MEASURES**

**Flammability of the Product:** Non-flammable and non-combustible.

**Suitable extinguishing agents:** Treat for surrounding material.

**Special hazards arising from the substance or mixture:** None

**Products of combustion:** None

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Wear personal protective equipment as recommended in Section 8. Keep unprotected persons away.

**Methods and material for containment and cleaning up:** Contain spill, then place in suitable container. Do not allow to enter sewers/surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:** Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. There are extensive OSHA precautions required for sand blasting. Ensure good ventilation/exhaustion at the work place. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended. Do not mix with other chemical products, except as indicated by manufacturer. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Avoid contact with skin and eyes. Handle and open contain with care. When using do not eat, drink or smoke.

**Conditions for safe storage:** Keep out of reach of children.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

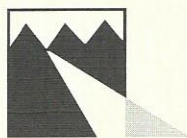
| <b><u>Hazardous Components</u></b> | <b><u>CAS No.</u></b> | <b><u>PEL (OSHA)</u></b><br><b><u>mg/M<sup>3</sup></u></b> | <b><u>TLV (ACGIH)</u></b><br><b><u>mg/M<sup>3</sup></u></b> |
|------------------------------------|-----------------------|------------------------------------------------------------|-------------------------------------------------------------|
| Quartz, Crystalline Silica         | 14808-60-7            | 0.1                                                        | 0.025(resp)                                                 |

**Appropriate engineering controls:** Use ventilation adequate to keep exposures below recommended exposure limits.

**Hand protection:** Wear gloves of adequate length to offer appropriate skin protection from incidental contact. General duty work gloves have been found to offer adequate protection for most intended uses.

**Eye protection:** Wear approved eye protection properly fitted dust-proof chemical safety glasses.





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**Respiratory protection:** A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional, following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

**Other information:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### **General information:**

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| <b>Appearance:</b>                | Granular, Pebble                         |
| <b>Color:</b>                     | Varies                                   |
| <b>Odor:</b>                      | None                                     |
| <b>Ph:</b>                        | Not applicable                           |
| <b>Boiling point:</b>             | Not applicable                           |
| <b>Flash point:</b>               | Not applicable                           |
| <b>Freezing Point:</b>            | Not applicable                           |
| <b>Auto igniting:</b>             | Not self igniting                        |
| <b>Vapor pressure:</b>            | Not applicable                           |
| <b>Density at 25°C (77°F):</b>    | 2.5-2.8                                  |
| <b>Solubility in water:</b>       | Insoluble                                |
| <b>Flammability:</b>              | Not flammable                            |
| <b>VOC content, wt. %:</b>        | 0%, Not applicable; 0 wt, Not applicable |
| <b>Decomposition temperature:</b> | No data available                        |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Stable under normal storage conditions. Keep dry in storage.

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

**Conditions to avoid:** No decomposition if used according to specification.

**Incompatible materials:** Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, or oxygen difluoride may cause fires.

**Hazardous decomposition products:** Silica will dissolve in hydrofluoric acid and produce a corrosive gas silicon tetrafluoride.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Routes of exposure:** Inhalation, skin contact, eye contact and ingestion.

**Symptoms related to physical/chemical/toxicological characteristics:**

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

**Skin contact:** May cause skin irritation.

**Eye contact:** May cause eye irritation if particles or dust gets in eye.





**Ingestion:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Delayed, immediate and chronic effects of short and long term exposure:**

**Short term:**

Skin corrosion/irritation: Not applicable.

Serious eye damage/irritation: Causes eye irritation if particles or dust gets in eye.

Respiratory sensitization: Not applicable.

Skin sensitization: Not applicable.

Specific target organ toxicity-single exposure: May cause respiratory irritation.

Aspiration hazard: Not applicable.

**Long term:**

Causes damage to organs through prolonged or repeated exposure. Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. The risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time, usually years, of exposure.

**SECTION 12: ECOLOGICAL INFORMATION:**

**Ecotoxicity:** 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.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste disposal recommendations:** The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This material must be disposed of in accordance with all local, state, and federal regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

In accordance with Department of Transportation (DOT) not regulated for transport.

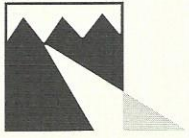
**Special transport precautions:** Do not handle until all safety precautions have been read and understood.

**SECTION 15: REGULATORY INFORMATION**

**US Federal information:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substance Control Act (TSCA) inventory.

**US State regulations:** California Prop. 65- This product contains Crystalline Silica, Quartz and may also contain other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.





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**SECTION 16: OTHER INFORMATION**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

Prepared by: **Silica Resources, Inc.**

[www.sri-sand.com](http://www.sri-sand.com)

(530) 741-0290