

# CEMENT

## 1. Identification & Company Identification

**Trade Names:**

Rapid Crete – Cement

**Product Description:**

Gray or White Powder

**Company Name:**

Western States Wholesale  
1420 S. Bon View, Ontario, CA 91761

**Emergency phone:**

(800) 325-6851

**Recommended Use:**

RapidCrete™ Cement is a dry hydraulic cement. It is a replacement for Portland cement. Mix with suitable aggregate to achieve fast setting, high strength results.

\* The “Recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of Western States Wholesale, published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in Western States Wholesale, Sales Agreement.

## 2. Hazard(s) Identification

**Hazard class**

Carcinogen – Category 1A  
Skin Corrosion – Category 1B  
Skin Sensitization – Category 1B  
Specific Target Organ Toxicity Repeat Exposure – Category 1  
Specific Target Organ Toxicity: Single Exposure – Category 3

**Hazard Pictogram:**



**Signal Word:** Danger

**Hazard Statement:** May cause cancer through chronic inhalation. Causes severe skin burns and serious eye damage May cause an allergic skin reaction. Causes damage to lungs through prolonged or repeated inhalation. May cause respiratory irritation.

**Prevention:**

Do not handle until all safety precautions have been read and understood.  
Wear impervious gloves, such as nitrile. Wear eye protection, and protective clothing.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.  
Use only in a well-ventilated area.  
Do not breathe dust.

**Response:**

If swallowed: Rinse mouth. Do NOT induce vomiting.  
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.  
If on skin (or hair): Remove immediately all contaminated clothing and wash before re-use. Rinse skin or hair with water.  
If significant skin irritation or rash occurs: get medical advice or attention.  
Immediately seek medical advice or attention if symptoms are significant or persist.



# CEMENT

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Additional Information:** The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr(VI) in Portland cement or repeated exposures over months or years. Sensitization is long lasting and, after sensitization, even very small quantities can trigger the dermatitis. Sensitization is uncommon. Individuals who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

### 3. Composition/Information on Ingredients

#### Hazardous Components

Substance Name	CAS No.	% by Weight
Sand, Silica, Quartz	14808-60-7	40-70*
Portland Cement	65997 15 1	40-70*
Calcium Salts	2CaO SiO <sub>2</sub>	1-5*
	4CaO Al <sub>2</sub> O <sub>3</sub> Fe <sub>2</sub> O <sub>3</sub>	1-5*
	CaSO <sub>4</sub> 4CaO 3Al <sub>2</sub> O <sub>3</sub> .SO <sub>3</sub>	
Small amounts of CaO, CaCO <sub>3</sub> , may be present.		
Other Salts	Small amounts of MgO, and trace amounts of K <sub>2</sub> SO <sub>4</sub> and Na <sub>2</sub> SO <sub>4</sub> also may be present.	1-5*
Gypsum	CaSO <sub>4</sub> 2H <sub>2</sub> O	1-5*
Crystalline Silica	14808-60-7	1-5*
Kaolin	1332-58-7	1-5*
Talc	14807-96-6	1-5*
Formaldehyde	000050-00-0	1-5*

\*THE CONCENTRATIONS RANGES ARE PROVIDED DUE TO BATCH-TO-BATCH VARIABILITY.

# CEMENT

## 4. First-Aid Measures

### Description of necessary measures

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

**Skin:** Wash skin with cool water and pH-neutral soap or a mild detergent. If significant skin irritation or rash occurs: get medical advice or attention.

**Inhalation:** Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation..

**Ingestion:** Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

### Significant symptoms/effects, acute and delayed.

**Eye:** Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

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**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.

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

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

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



## 5. Fire-Fighting 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

**Explosion Hazards in Presence of Various Substances:** Non-explosive in presence of shocks

## 6. Accidental Release Measures

### Precautions if Material is Spilled or Released

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### Methods and materials for containment and cleaning - up

**Methods for Containment:** Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

### Methods for Cleaning-Up:

Vacuum or sweep material and place in a disposal container.

## 7. Handling and Storage

### Storage:

Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilation systems in the storage area. (See section 10)

### Handling

Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. (See section 8)

## 8. Exposure Controls/personal Protection

### Eye Protection

Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

### Skin Protection

**Hand Protection:** Wear suitable gloves.

**Body Protection:** Wear suitable protective clothing.

### Respiratory Protection (Specific Type)

A NIOSH approved dust mask or filtering facepiece 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).



# CEMENT

## Ventilation Recommended

Use exhaust ventilation

Other Protection - No food consumption in area of concentrations of dust or vapor.

## 9. Physical and Chemical Properties

Appearance Form: Granular Solid

Color: Gray to gray-brown colored

Odor: None

pH-value at 20°C (68 °F): 13 (10%)

Boiling point/Boiling range: Not applicable

Flash point: Not applicable

Auto igniting: Product is not self-igniting

Vapor pressure at 21°C (70°F) Not available

Density at 25°C (77 °F): 2.6 to 3.15

Solubility in / Miscibility with

Water: Insoluble

VOC content: 0 g/L VOC

## 10. Stability and Reactivity

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

Stable under normal storage conditions. Keep in dry storage.

### Possibility of hazardous reaction

No dangerous reaction known under conditions of normal use.

### Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

### Incompatible materials

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

### Hazardous Decomposition or By-products

Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas – silicon tetrafluoride.

## 11. Toxicological Information

**Likely Routes of Exposure:** Skin contact, skin absorption, eye contact, inhalation, and ingestion. Symptoms related to physical/chemical/toxicological characteristics:

**Eye:** Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.

**Skin:** Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.



# Safety Data Sheet

## CEMENT

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

**Inhalation:** May cause respiratory tract irritation.

### 12. Ecological Information

**Acute/Chronic Toxicity:**

May cause long-term adverse effects to the aquatic environment. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized .

### 13. Disposal Considerations

The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

### 14. Transport Information

**DOT Shipping Name:** Non-Hazardous for Transport

**DOT Hazard Class:** Not Regulated

**UN/NA ID No.:** None

**UN TDG Class:** Not Regulated

**Hazard Id No. (HIN):** None

**IMDG Hazard Class:** Not Regulated

**IATA Hazard Class:** Not Regulated

**RID/ADR Code:** Not Regulated

**Label:** None Required

**Hazard Symbols:** None

### 15. Regulatory Information

SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

**US Federal Regulations:**

**SARA 302/311/312/313 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.

**RCRA:** Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.

**CERCLA:** Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR §302.

**Emergency Planning and Community Right to Know Act (SARA Title III):** Crystalline silica (quartz) is not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.

**FDA:** Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3)(xxvi).

**NTP:** Respirable crystalline silica, primarily quartz dusts occurring in industrial and occupational settings, is classified as Known to be a Human Carcinogen.

**OSHA Carcinogen:** Crystalline silica (quartz) is not listed.

**State Regulations:**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



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**California Inhalation Reference Exposure Level (REL):** California established a chronic REL of 3  $\mu\text{g}$  for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no adverse health effects are anticipated in individuals indefinitely exposed to the substance at that level.

**WHMIS (Canadian):** D2B Product Classification

## 16. Other Information

### Notes

This form has been prepared to meet current Federal OSHA hazard communication regulations, and is offered without any warranty or guarantee of any type. Western States Wholesale. cannot control the use of its products, and therefore specifically disclaims liability and responsibility arising from the use, misuse, and alteration of its products. The information contained in this SDS was produced without independent scientific or medical studies analyzing the effects of silica upon human health. The information contained herein is based upon scientific and other data that Western States Wholesale. believes is valid and reliable as previously referenced in this SDS.

The information contained herein relates only to specific materials listed in the document, and does not address the effects of silica when used in combination with other materials or substances, or when used in other processes. Because conditions of use are beyond Western States Wholesale.'s control, the company makes no representations, guarantees or warranties, either express or implied warranties as to the fitness of the product for use, and assumes no liability related to the information contained above.

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### Disclaimer

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