

# Material Safety Data Sheet

24 Hour Assistance  
1-847-367-7700  
Rust-Oleum Corporation  
www.rustoleum.com

## Section 1 – Chemical Product / Company Information

Product Name: R-O 2.5LB 4PK HYDRAULIC CEMENT      Revision Date: 5/15/12

Identification Number: 260393

Product Use/Class: Dry Mix Water Putty

Supplier: Rust-Oleum Corporation      Manufacturer: Rust-Oleum Corporation  
11 Hawthorn Parkway      11 Hawthorn Parkway  
Vernon Hills, IL 60061      Vernon Hills, IL 60061  
USA      USA

Preparer: Regulatory Department

## Section 2 – Hazards Identification

\*\*\* Emergency Overview \*\*\*: Use ventilation necessary to keep exposures below recommended exposure limits, if any.

Effects Of Overexposure - Eye Contact: Direct contact may cause severe irritation. May cause mechanical irritation or abrasion, and possible chemical burns. May cause temporary injury. Causes eye irritation.

Effects Of Overexposure - Skin Contact: May cause severe irritation. May cause dryness, cracking, irritation, and chemical burns. May produce cement dermatitis due to primary irritation from alkaline, hygroscopic and abrasive properties.

Effects Of Overexposure - Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel. Dust may irritate nose and throat. Dust irritating to the respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed. May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Effects Of Overexposure - Chronic Hazards: Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica.

## Section 3 – Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>	<u>ACGIH TLV- TWA</u>	<u>ACGIH TLV- STEL</u>	<u>OSHA PEL- TWA</u>	<u>OSHA PEL- CEILING</u>
Portland Cement	65997-15-1	70%	10 mg/m <sup>3</sup>	N.E.	15 mg/m <sup>3</sup>	N.E.

			[Total Dust]		[Total Dust]	
Silica, Crystalline	14808-60-7	40%	0.025 mg/m <sup>3</sup>	N.E.	0.1 mg/m <sup>3</sup> [Respirable]	N.E.
Fused Calcium Aluminate	NJ TSRN#51721300-5813P	40%	N.E.	N.E.	N.E.	N.E.
Stabilizer	NJ TSRN#51721300-5872P	10%	N.E.	N.E.	N.E.	N.E.
Calcium Salt	7778-18-9	5%	10 mg/m <sup>3</sup> [Respirable]	N.E.	5 mg/m <sup>3</sup> [Respirable]	N.E.

Primary Routes of Entry: Skin Contact Skin Absorption Inhalation Ingestion Eye Contact

## Section 4 – First Aid Measures

Get immediate medical attention for any significant overexposure.

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. Avoid further overexposure.

First Aid - Ingestion: Do not induce vomiting, unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

## Section 5 – Fire Fighting Measures

Flash Point >200°F

Extinguishing Media: Alcohol Film Forming Foam Carbon Dioxide Dry Chemical Dry Sand Water Fog

Unusual Fire And Explosion Hazards: This product is not expected to ignite or burn under normal conditions of use.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent buildup of steam.

## Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

## Section 7 – Handling And Storage

Handling: Wash thoroughly after handling. Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment

must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Avoid contact with eyes. Wash hands before eating.

Storage: Keep container closed when not in use. Keep from freezing. Store in sealed containers in a cool, dry, ventilated warehouse location.

## Section 8 – Exposure Controls / Personal Protection

**Engineering Controls:** Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

**Respiratory Protection:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Skin Protection:** Rubber or vinyl gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact. Prevent contact with shoes and clothing.

**Eye Protection:** Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

**Other protective equipment:** Use professional judgment in the selection, care, and use. Wear gloves, head coverings and full body clothing as necessary to prevent skin irritation. Washable or disposable clothing may be used. Do not take unwashed clothing home. Work clothes should be washed separately from other clothing and the washing machine rinsed thoroughly following use. Inform the launderer of the proper procedures. Store work clothes and street clothes separately to prevent contamination.

**Hygienic Practices:** Wash thoroughly with soap and water before eating, drinking or smoking.

## Section 9 – Physical and Chemical Properties

Vapor Density	Heavier than Air	Odor:	Little or None
Appearance:	Gray Particulate Solid	Evaporation Rate:	Slower than Ether
Solubility in Water:	Soluble	Freeze Point:	N.D.
Specific Gravity:	3.0	pH:	N.A.
Physical State:	Solid		

(See section 16 for abbreviation legend)

## Section 10 – Stability and Reactivity

**Conditions To Avoid:** Avoid contact with strong acid and strong bases.

**Incompatibility:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**Hazardous Decomposition:** When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Stability:** This product is stable under normal storage conditions

## Section 11 – Toxicological Information

**Product LD50:** N.D.

**Product LC50:** N.D.

**Significant Data With Possible Relevance To Humans:** None

**Section 12 – Ecological Information**

Ecological Information: Product is a mixture of listed components.

**Section 13 – Disposal Information**

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems. Not regulated under RCRA. Do not incinerate.

**Section 14 – Transportation Information**

	<b>Domestic (USDOT)</b>	<b>International (IMDG)</b>	<b>Air (IATA)</b>
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated
Hazard Class:	N.A.	N.A.	N.A.
UN Number:	N.A.	N.A.	N.A.
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	No	No

**Section 15 – Regulatory Information**

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from, the Canadian Domestic Substances List.

**CERCLA – SARA Hazard Category**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD    CHRONIC HEALTH HAZARD

**SARA Section 313:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

None.

**Toxic Substances Control Act:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

<u>Chemical Name</u>	<u>CAS Number</u>
----------------------	-------------------

**U.S. State Regulations:****New Jersey Right-to-Know:**

The following materials are nonhazardous, but are among the top five components in this product:

<u>Chemical Name</u>	<u>CAS Number</u>
----------------------	-------------------

Portland Cement	65997-15-1
Crystalline Silica(Quartz)/Silica Sand	14808-60-7
Fused Calcium Aluminate	NJ TSRN# 51721300-5813P
Stabilizer	NJ TSRN# 51721300-5872P
Calcium Salt	7778-18-9

**Pennsylvania Right-to-Know:**

The following materials are nonhazardous, but are present above 3% in this product:

<u>Chemical Name</u>	<u>CAS Number</u>
Portland Cement	65997-15-1
Crystalline Silica(Quartz)/Silica Sand	14808-60-7
Fused Calcium Aluminate	NJ TSRN# 51721300-5813P
Stabilizer	NJ TSRN# 51721300-5872P
Calcium Salt	7778-18-9

**International Regulations:****Canadian WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**Canadian WHMIS Class:** D2A

<b>Section 16 – Other Information</b>
---------------------------------------

**HMIS Ratings:** Health: 2\* Flammability: 0 Physical Hazard: 0 PPE: X

**NFPA Ratings:** Health: 1 Flammability: 0 Instability: 0

**Volatile Organic Compounds, g/L:** 0

**Reason for Revision:** Regulatory Update

**Abbreviations:** N.A. ó Not Applicable N.D. ó Not Determined N.E. ó Not Established

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.