

**1****PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** Water Stopper  
**SDS Number:** 31  
**Product Code:** 415, 416, 417  
**Revision Date:** 6/21/2019  
**Version:** 1  
**Product Description:** Hydraulic Cement  
**Product Use:** Masonry repair

**Supplier Details:** Rutland Products  
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**2****HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 1  
Health, Specific target organ toxicity - Single exposure, 3  
Health, Specific target organ toxicity - Repeated exposure, 2  
Environmental, Hazards to the aquatic environment - Acute, 3

**GHS Label Elements, Including Precautionary Statements****GHS Signal Word:** **DANGER****GHS Hazard Pictograms:****GHS Hazard Statements:**

H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H336 - May cause drowsiness or dizziness  
H373 - May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)  
H402 - Harmful to aquatic life

**GHS Precautionary Statements:**

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 - Wash skin thoroughly after handling.  
P280 - Wear protective gloves/ eye protection/ face protection.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.



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P301 + P310 - IF SWALLOWED: Immediately call a POISON CONTROL CENTER (800-222-1222), doctor or emergency room.  
P363 - Wash contaminated clothing before reuse.  
P332 + P313 - If skin irritation occurs: Get medical advice/attention.  
P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308 + P313 - IF exposed or concerned: Get medical advice/ attention.  
P404 - Store in a closed container.  
P501 - Dispose of contents/container according to all local, state and federal regulations.

#### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Danger! Overexposure to Portland cement mixed with water can cause skin or eye damage in the form of chemical (caustic) burns, including third-degree burns. The same type of injury can occur if wet or moist skin has prolonged exposure to dry Portland cement. Portland cement and water mixture has a pH > 12

**Route of Entry:** Eyes; Ingestion; Skin;

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause irritation.

**Ingestion:** Ingestion is not an applicable route of entry for intended use. May be harmful if swallowed.

Crystalline Silica dust is expected to cause respiratory irritation and sensitization, and is considered carcinogenic. When this product is used as intended, exposure to Crystalline Silica dust is negligible, but users are recommended to avoid dust formation. If dust is created, precautions against inhalation of particles are encouraged (i.e. wear dust mask).

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#### COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
14808-60-7		Silica, crystalline
1305-62-0		Calcium hydroxide
65997-16-2		Cement, alumina, chemicals
65997-15-1		Portland cement

Percentages withheld, Trade Secret

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#### FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

**Skin Contact:** Wash with plenty of water. Get medical attention if irritation develops or persists.

**Eye Contact:** Immediately flush eyes with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.

**Ingestion:** If Swallowed, DO NOT INDUCE VOMITING. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Never give anything by mouth to an unconscious or convulsive person.

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#### FIRE FIGHTING MEASURES

**Flammability:** Non flammable

Use any standard agent - choose the one most appropriate for type of surrounding fire.



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**6****ACCIDENTAL RELEASE MEASURES**

Transfer to a container for disposal or recovery.

**7****HANDLING AND STORAGE**

**Handling Precautions:** Avoid contact with eyes and skin. Use in a well-ventilated area. Avoid inhalation of vapors and mists.  
**Storage Requirements:** Keep container closed to prevent drying out.

**8****EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.  
**Personal Protective Equipment:** EYES AND FACE: Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended.  
SKIN: Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse. RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.

Silica, crystalline cas#:(14808-60-7)

Components with workplace control parameters

TWA 0.025 mg/m3 USA. ACGIH Threshold Limit Values (TLV)  
Suspected human carcinogen

TWA 0.025 mg/m3 USA. ACGIH Threshold Limit Values (TLV)  
Lung cancer Pulmonary fibrosis Suspected human carcinogen

Calcium hydroxide cas#:(1305-62-0)

Components with workplace control parameters

TWA 5 mg/m3 USA. ACGIH Threshold Limit Values (TLV)  
Eye, skin, & Upper Respiratory Tract irritation

TWA 5 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
1910.1000

The TWA PEL of 5 mg/m3 is not in effect as a result of reconsideration. Calcium hydroxide is covered by the exposure limits for particulates not otherwise regulated of 5 mg/m3 respirable dust and 15 mg/m3 total dust.

TWA 15 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z- 1  
Limits for Air Contaminants

TWA 5 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z- 1  
Limits for Air Contaminants

TWA 5 mg/m3 USA. NIOSH Recommended Exposure Limits



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**9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	brown to gray powder	<b>Odor:</b>	None
<b>Physical State:</b>	Solid	<b>Molecular Formula:</b>	Not Available
<b>Odor Threshold:</b>	Not Available	<b>Solubility:</b>	Insoluble in water
<b>Particle Size:</b>	Not Available	<b>Softening Point:</b>	Not Available
<b>Spec Grav./Density:</b>	1.2	<b>Percent Volatile:</b>	Not Available
<b>Viscosity:</b>	Not Available	<b>Heat Value:</b>	Not Available
<b>Saturated Vapor Concentration:</b>	Not Available		
<b>Boiling Point:</b>	> 1800 F	<b>Freezing/Melting Pt.:</b>	> 1800 F
<b>Flammability:</b>	Non flammable	<b>Flash Point:</b>	Not Available
<b>Partition Coefficient:</b>	Not Available	<b>Octanol:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available	<b>Vapor Density:</b>	Not Available
<b>pH:</b>	12 - 13	<b>VOC:</b>	Not Available
<b>Evap. Rate:</b>	Not Available	<b>Bulk Density:</b>	Not Available
<b>Molecular weight:</b>	Not Available	<b>Auto-Ignition Temp:</b>	Not Available
<b>Decomp Temp:</b>	Not Available	<b>UFL/LFL:</b>	Not Available

**10****STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Reacts with water forming hardened hydrated compounds, releasing heat and producing strong alkaline solution.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	None Known
<b>Materials to Avoid:</b>	Strong Acids; Strong Oxidizing Agents;
<b>Hazardous Decomposition:</b>	None Known
<b>Hazardous Polymerization:</b>	Will not occur.

**11****TOXICOLOGICAL INFORMATION**

No data available.

**12****ECOLOGICAL INFORMATION**

No information available

**13****DISPOSAL CONSIDERATIONS**

Dispose of this product in accordance with all applicable local, state and federal regulations.

**14****TRANSPORT INFORMATION**

Not Regulated



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#### REGULATORY INFORMATION

RQ (CAS#) Substance - Reg Codes

Silica, crystalline (14808-60-7) GADSL, MASS, NRC, OSHAWAC, PA, PROP65, TSCA, TXAIR

Calcium hydroxide (1305-62-0) MASS, OSHAWAC, PA, TSCA, TXAIR

Cement, alumina, chemicals (65997-16-2) TSCA

Portland cement (65997-15-1) MASS, OSHAWAC, PA, TSCA, TXAIR



#### WARNING

This product can expose you to chemicals including Silica, Crystalline, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Regulatory Code Legend

GADSL = Global Automotive Declarable Substance List (GADSL)

MASS = MA Massachusetts Hazardous Substances List

NRC = Nationally Recognized Carcinogens

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PROP65 = CA Prop 65

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

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#### OTHER INFORMATION

PREPARED BY: Brian Miller

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.

Revision Date: 6/21/2019