

# RocLoc™ FSC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: N/A Date of Issue: 02/13/2015

Version: 1.0

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** RocLoc™FSC

**Product Code:**

#### Intended Use of the Product

Cementitious Mixture

#### Name, Address, and Telephone of the Responsible Party

##### Manufacturer

GMX, Inc.  
2034-C Van Buren Ave.  
Indian Trail, NC 28709  
T-704-334-8222  
www.gmxwaterproofing.com

##### Supplier

GMX, Inc.  
2034-C Van Buren Ave.  
Indian Trail, NC 28709  
T-704-334-8222

#### Emergency Telephone Number

**Emergency Number:** 1-800-424-9300 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### Classification (GHS-US)

H315 – Skin Irrit. 2
H317 – Skin Sens. 1
H318 – Eye Damage 1
H335 – STOT SE 3
H350 – Carc. 1A

#### Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

##### Hazard Statements (GHS-US)

- : Danger  
: H315 - Causes skin irritation.  
: H317 – May cause an allergic skin reaction.  
: H318 – Causes serious eye damage.  
: H335 – May cause respiratory irritation.  
: H350 – May cause cancer.

##### Precautionary Statements (GHS-US)

- : P201 – Obtain special instructions before use.  
P202 – Do not handle until all safety precautions have been read and understood.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313 – If exposed or concerned: Get medical advice/attention.  
P405 – Store locked up.  
P501 – Dispose of contents/container according to local, regional, national, and international regulations.  
Xi – Irritant.

#### Other Hazards

**Other Hazards Not Contributing to the Classification:** Not available.

#### Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### Substance

Not available

### Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Quartz (SiO <sub>2</sub> )	CAS No (14808-60-7)	25-50	H350 – Carc. 1A
Portland Cement	CAS No (65997-15-1)	10-25	H315 – Skin Irrit. 2 H317 – Skin Sens. 1 H318 – Eye Damage 1 H335 – STOT SE 3
Plaster of Paris	CAS No (26499-65-0)	≤10	
Gypsum	CAS No (13397-24-5)	≤2.5	

Full text of H-Phrases: See Section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

**First-aid Measures After Inhalation:** Remove to fresh air. Seek medical help if coughing and other symptoms do not subside. (Inhalation of gross amounts of Portland cement requires immediate medical attention.)

**First-aid Measures After Skin Contact:** Wash skin with cool water and pH-neutral soap or a mild detergent intended for use on skin. Seek medical treatment in all cases of prolonged exposure to wet cement, cement mixtures, liquids from fresh cement products, or prolonged wet skin exposure to the dry cement.

**First-aid Measures After Eye Contact:** Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

**First-aid Measures After Ingestion:** Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms/Injuries:** Causes eye irritation. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

**Symptoms/Injuries After Inhalation:** May cause irritation to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes eye irritation.

**Symptoms/Injuries After Ingestion:** None known, not likely route of entry.

**Chronic Symptoms:** May cause genetic defects. Causes damage to organs through prolonged or repeated exposure.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.

**Unsuitable Extinguishing Media:** None.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** This product is non-combustible.

**Explosion Hazard:** This product is not explosive.

**Reactivity:** None.

### Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NAOSH (approved or equivalent) and full protective gear. Standard procedure for chemical fires.

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Use personal protective equipment. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

#### For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Responders

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**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and Material for Containment and Cleaning Up

**For Containment and Clean Up:** Collect dry material using a scoop. Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Scrape up wet material and place in an appropriate container. Allow the material to dry before disposal.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Precautions for Safe Handling:** Avoid prolonged or repeated breathing of dust. Avoid contact with eyes and skin. Promptly remove dusty clothing or clothing which is wet with cement fluids and launder before reuse. Wash thoroughly after exposure to dust of wet cement mixtures.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store product in a cool, dry, ventilated area. Protect against physical damage and moisture. Keep cement dry until used. Normal temperatures and pressures do not affect this material.

**Incompatible Materials:** This product is alkaline. As such it is incompatible with acids, ammonium salts and aluminum metal.

**Storage Area:** Store locked up. Store in a well-ventilated place.

### Specific End Use(s)

Cementitious mixture

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

<b>Quartz (14808-60-7)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	.025 mg/m <sup>3</sup> (respirable fraction)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable dust)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable fraction)
Ontario	OEL TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable fraction)

<b>Portland Cement (65997-15-1)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust)
Ontario	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

<b>Gypsum (13397-24-5)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust)
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust)
Ontario	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable)

### Exposure Controls

**Appropriate Engineering Controls:** Avoid actions that cause dust to become airborne. Use local exhaust or general dilution ventilation to control exposure within applicable limits.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Hand Protection:** Protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

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

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**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink, or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Powder
Odor	: Characteristic
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not applicable
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 68°F (20°C)	: > 1 (Air = 1)
Relative Density	: 2.909 g/cm <sup>3</sup>
Specific Gravity	: Not available
Solubility	: Soluble in water.
Partition coefficient: n-octanol/water	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available
Solids Content	: 100%

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not available

**Chemical Stability:** Product is stable.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Unintentional contact with water.

**Incompatible Materials:** This product is alkaline. As such, it is incompatible with acids, ammonium salts and aluminum metal.

**Hazardous Decomposition Products:** Will not spontaneously occur. Adding water results in hydration and produces (caustic) calcium hydroxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information On Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure. Consequently, the only effective means of avoiding skin injury or illness involves minimizing skin contact, particularly contact with wet cement. Exposed persons may not feel discomfort until hours after the exposure has ended and significant injury has occurred. Exposure during the handling or mixing of the dry ingredients in Portland cement may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Exposure to wet concrete may cause more severe skin effects including thickening, cracking or fissuring of the skin. Prolonged exposure can cause severe skin damage in the form of (caustic) chemical burns.

**Serious Eye Damage:** Exposure to airborne dust during the handling or mixing of the dry ingredients in this product may cause immediate or delayed irritation or inflammation. Eye contact by splashes of wet concrete may cause effects ranging from moderate eye irritation to chemical burns and blindness. Such exposures require immediate first aid (see Section 4) and medical attention to prevent significant damage to the eye.

**Respiratory or Skin Sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. Some individuals may exhibit an allergic response upon exposure to wet concrete. The response may appear in a variety of forms ranging from a mild rash to severe skin ulcers. Persons already sensitized may react to their first contact with the product. Other persons may

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first experience this effect after years of contact with this product.

**Germ Cell Mutagenicity:** This product is not reported to have any mutagenic effects.

**Teratogenicity:** Not available

**Carcinogenicity:** May cause cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** Causes damage to organs through prolonged or repeated exposure (lungs).

**Reproductive Toxicity:** Not available

**Aspiration Hazard:** This product is not reported to have any aspiration hazards.

**Specific Target Organ Toxicity (Single Exposure):** This product is not reported to have any single exposure specific target organ toxicity effects.

**Symptoms/Injuries After Inhalation:** Exposure to Portland cement in excess of the applicable TLV or PEL (see section 2) may cause or aggravate other lung conditions. The ingredients in Portland cement may contain trace amounts of crystalline silica. Exposure to these ingredients in excess of the applicable TLV or PEL (see Section 2) may cause or aggravate other lung conditions. Exposure to Portland cement may cause irritation to the moist mucous membranes of the nose, throat, and upper respiratory system. It may also leave unpleasant deposits in the nose.

**Symptoms/Injuries After Skin Contact:** Skin irritation, which may lead to the following symptoms: reddening, swelling, rash, scaling, or blistering. Cured product is difficult to remove from skin. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

**Symptoms/Injuries After Eye Contact:** Contact with eye could cause tearing, reddening, and swelling. If left untreated, corneal damage can occur, and injury is slow to heal.

**Symptoms/Injuries After Ingestion:** Although inadvertent ingestion of small quantities of wet concrete or its dry ingredients are not known to be harmful, accidental ingestion of larger quantities can be harmful and requires immediate medical attention.

**Chronic Symptoms:** Not available

### Information on Toxicological Effects – Ingredient(s)

#### **LD50 and LC50 Data**

<b>Quartz (14808-60-7)</b>	
LD50 Oral Rat	>500 mg/kg

#### **Carcinogenicity Data:**

<b>Portland Cement (65997-15-1)</b>	
IARC Group	A4 – Not Classifiable as a Human Carcinogen

<b>Quartz (14808-60-7)</b>	
ACGIH	A2 – Suspected Human Carcinogen
NIOSH	Potential occupational carcinogen
IARC Group	1
National Toxicity Program (NTP) Status	Known Human Carcinogens (respirable size)

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Toxicity – Ingredients**

This product is not reported to have any ecotoxicity effects.

### **Persistence and Degradability**

No information available for this product.

### **Bioaccumulative Potential – Product**

No information available for this product.

### **Bioaccumulative Potential – Ingredients**

No information available for this product.

### **Mobility in Soil**

No information available for this product.

### **Other Adverse Effects**

**Other Information:** Avoid release to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** See Section 7 for handling procedures. See Section 8 for Personal Protective Equipment recommendations.

**Additional Information:** Dispose of contents/container in accordance with local/regional/national/international regulations.

## **SECTION 14: TRANSPORT INFORMATION**

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### In Accordance with DOT

Proper Shipping Name : Non-Regulated Material.

### In Accordance with IMDG

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

### In Accordance with IATA

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

### In Accordance with TDG

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

#### Quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

#### Portland Cement (65997-15-1)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

#### Gypsum (13397-24-5)

Not listed on the United States TSCA (Toxic Substances Control Act) Inventory

#### Plaster of Paris (26499-65-0)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

### US State Regulations

#### Quartz (14808-60-7)

U.S. – California – Proposition 65 – Carcinogens List

WARNING: This product contains chemicals known to the state of California to cause cancer.

#### Portland Cement (65997-15-1)

RTK – U.S. – Massachusetts – Right To Know List

RTK – U.S. – New Jersey – Right To Know Hazardous Substance List

RTK – U.S. – Pennsylvania – RTK (Right To Know) List

#### Gypsum (13397-24-5)

RTK – U.S. – New Jersey – Right To Know Hazardous Substance List

RTK – U.S. – Pennsylvania – RTK (Right To Know) List

#### Quartz, silica (14808-60-7)

RTK – U.S. – Massachusetts – Right To Know List

RTK – U.S. – New Jersey – Right To Know Hazardous Substance List

RTK – U.S. – Pennsylvania – RTK (Right To Know) List

### Canadian Regulations

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No components are listed in the WHMIS IDL.

WHMIS Classification

Unhardened Ready-Mix concrete is considered to be a hazardous material under the

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	Hazardous Products Act as defined by the Controlled Product Regulations (Class E – Corrosive Material) and is therefore subject to the labeling requirements of WHMIS.
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<b>Portland Cement (65997-15-1)</b>
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Listed on the Canadian DSL (Domestic Substances List) Inventory
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<b>Gypsum (13397-24-5)</b>
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Listed on the Canadian DSL (Domestic Substances List) Inventory
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<b>Quartz (14808-60-7)</b>
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Listed on the Canadian DSL (Domestic Substances List) Inventory
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### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision date** : 02/13/2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

H315 - Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

H350 – May cause cancer.

#### Party Responsible for the Preparation of This Document

GMX, Inc.

2034-C Van Buren Ave.

Indian Trail, NC 28709

T-704-334-8222

*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*

North America GHS US 2015 & WHMIS