

# MATERIAL SAFETY DATA SHEET

## PRECISION GROUT

<b>1. Product And Company Identification</b>	
<b>Manufacturer</b> NOX-CRETE MANUFACTURING INC 1444 SOUTH 20TH STREET OMAHA, NE 68108	<b>Contact Information</b>  FAX Number: 402-341-9752 E-Mail: corporate@nox-crete.com Web Site: www.nox-crete.com
<b>Emergency Phone Number</b> CHEMTREC: 800-424-9300 CHEMTREC OUTSIDE OF U.S.: 703-527-3887	<b>Manufacturer Phone Number</b> 402-341-2080
Issue Date: 05/27/2010 Product Name: PRECISION GROUT Chemical Family: PORTLAND CEMENT MORTAR MSDS Number: 204 Product Code: PG/50	

<b>2. Hazards Identification</b>
<b>Primary Routes(s) Of Entry</b> Eye Contact, Ingestion, Inhalation
<b>Eye Hazards</b> Causes eye irritation.
<b>Skin Hazards</b> May cause alkali burns or irritation.
<b>Ingestion Hazards</b> May be harmful if swallowed.
<b>Inhalation Hazards</b> Excessive exposure by inhalation may result in the development of pulmonary diseases including pneumoconiosis and silicosis.

<b>3. Composition/Information On Hazardous Ingredients</b>			
	Ingredient Name	CAS Number	
	CALCIUM ALUMINATE	65997-16-2	
	CRYSTALLINE CRISTOBALITE	14464-46-1	
	PORTLAND CEMENT	65997-15-1	

<b>4. First Aid Measures</b>
<b>Eye</b> In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.
<b>Skin</b> Wash affected areas with soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

# MATERIAL SAFETY DATA SHEET

## PRECISION GROUT

### 4. First Aid Measures - Continued

#### Ingestion

If swallowed, do not induce vomiting. Get medical attention immediately if discomfort persists.

#### Inhalation

Move victim to fresh air. Give oxygen or artificial respiration if necessary. Seek immediate medical attention.

### 5. Fire Fighting Measures

#### Fire And Explosion Hazards

Not flammable, combustible, or explosive

### 6. Accidental Release Measures

Use appropriate personal protective equipment (PPE). Clean up using dustless methods. Collect for proper disposal.

### 7. Handling And Storage

#### Handling And Storage Precautions

Use only with adequate ventilation.

#### Storage Precautions

Keep from any possible contact with water.

#### Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Use with adequate ventilation to keep product vapor concentrations below specified TLV.

#### Eye/Face Protection

Safety glasses with side shields or goggles recommended.

#### Skin Protection

Wear gloves and appropriate protective clothing as required to prevent skin contact. Wash exposed skin frequently with soap and water.

#### Respiratory Protection

Respirator Recommendations

NIOSH

Up to 0.5 mg/m<sup>3</sup>:

(APF = 10) Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, P100..

Up to 1.25 mg/m<sup>3</sup>:

(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

Up to 2.5 mg/m<sup>3</sup>:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter

Up to 25 mg/m<sup>3</sup>:

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

# MATERIAL SAFETY DATA SHEET

## PRECISION GROUT

### 8. Exposure Controls/Personal Protection - Continued

#### Respiratory Protection - Continued

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Any appropriate escape-type, self-contained breathing apparatus

#### Ingredient(s) - Exposure Limits

CALCIUM ALUMINATE

TLV 10 mg/m<sup>3</sup> PEL 15 mg/m<sup>3</sup>

CRYSTALLINE CRISTOBALITE

TLV .05 mg/m<sup>3</sup> PEL .05 mg/m<sup>3</sup>

PORTLAND CEMENT

TLV 10 mg/m<sup>3</sup> PEL 15 mg/m<sup>3</sup>

### 9. Physical And Chemical Properties

#### Appearance

Gray powder, odorless

**Chemical Type:** Mixture

**Physical State:** Solid

**Specific Gravity:** Heavier than water

**Vapor Pressure:** N/A

**Solubility:** Insoluble

**Evaporation Rate:** N/A

### 10. Stability And Reactivity

**Hazardous Polymerization:** Will not occur.

#### Incompatible Materials

Strong oxidizing agents.

#### Hazardous Decomposition Products

Crystalline silica will dissolve in hydrofluoric acid and produce a corrosive gas (silicon tetrafluoride).

### 11. Toxicological Information

#### Chronic/Carcinogenicity

The International Agency for Research on Cancer (IARC) has determined that crystalline silica inhaled in the form of quartz or cristobalite is carcinogenic to humans (Group 1 - carcinogenic to humans). The National Toxicology Program (NTP) classifies respirable silica as "known to be a human carcinogen". The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all applicable local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

# MATERIAL SAFETY DATA SHEET

## PRECISION GROUT

### 14. Transport Information

#### Proper Shipping Name

BAGGED PORTLAND CEMENT

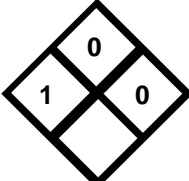
### 15. Regulatory Information

#### SARA Section 313 Notification

This product does not contain any ingredients in concentrations at or above de minimis levels that are listed as toxic chemicals under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

#### State Regulations

Proposition 65: WARNING. This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive toxicity.

<u>NFPA</u>	<u>HMIS</u>								
	<table border="1"><tr><td>HEALTH</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>X</td></tr></table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	X
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	X								

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: David MacFarlane

This MSDS Supersedes A Previous MSDS Dated: 02/06/2007

#### Reference Documentation

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete or representative and Buyer may rely thereon only at Buyers risk. We have made no effort to censor or to conceal deleterious aspects of this product. Further since we cannot anticipate or control the many different conditions under which this information or our products may be used, we make no guarantee that the health and/or safety precautions we have suggested will be adequate for all individuals and /or situations involving its handling or use. Likewise, we make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

#### Disclaimer

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of this use thereof.

**NOX-CRETE MANUFACTURING INC**