

Section 1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Form	Mixture
Trade Name	PRECISION GROUT
Product Code	PG

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Industrial. For professional use only.

1.2.2 Uses Advised Against

No additional information available

1.3 Details of the supplier of the safety data sheet**Manufacturer****Supplier**

NOX-CRETE MANUFACTURING INC
1444 SOUTH 20TH STREET
OMAHA, NE 68108
Tel: 402-341-2080
Fax: 402-341-9752
E-Mail: corporate@nox-crete.com
Web Site: www.nox-crete.com

1.4 Emergency telephone number**Emergency Number**

Chemtrec (800) 424-9300
Chemtrec Outside of U.S. 703-527-3887

Section 2. Hazards identification**2.1 Classification of the substance or mixture**

Acute Tox. 4	H302
Skin Corr. 1B	H314
Skin Sens. 1	H317
Eye Dam. 1	H318
STOT SE 3 Resp Irrit.	H335
Carc. 1	H350
STOT RE 1	H372

Full text of H phrases see section 16

Adverse physiochemical, human health and environmental effects

No additional information available

2.2 Label elements

Hazard pictograms

**Signal word****Danger****Hazard statements**

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H350 - May cause cancer
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements**Prevention:**

P201- Obtain special instructions before use
P202- Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash exposed areas thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response:

P301+P330+P312 - IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
P331 - Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P310 - IF IN EYES: Immediately call a POISON CENTER or doctor/physician
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P405 - Store locked up.

Storage:**Disposal:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Information:

Additional information on the selection and use of respirators can be found in the NIOSH Respirator Selection Logic (DHHS [NIOSH] Publication No. 2005-100) and the NIOSH Guide to Industrial Respirator Protection (DHHS [NIOSH] Publication No. 87-116) available at <http://www.cdc.gov/niosh/docs/87-116/>.

2.3 Other hazards

This product contains greater than 0.1 % crystalline silica. Crystalline silica has been linked to cancer, silicosis, and other lung problems in conditions of prolonged airborne over-exposure.

Keep product dry until use. Avoid contact with bleed water from wet product. Clothing saturated with wet product can result in delayed, serious alkali skin burns.

3.1 Substances

Not applicable

3.2 Mixture

Name	Product identifier CAS #	%
Calcium Sulfoaluminate Cement	960375-09-1	5-80
Quartz	14808-60-7	7-60
Cement, Portland, chemicals	65997-15-1	5-50
Calcium sulfate	7778-18-9	2-45
Cement, alumina, chemicals	65997-16-2	0.5-30
Gypsum	13397-24-5	2-9
Ashes, residues	68131-74-8	3-7
Magnesium oxide	1309-48-4	0.1-4
Limestone	1317-65-3	0.1-3
Calcium oxide	1305-78-8	0.1-2
Carbon black	1333-86-4	0.5-1.5
Flue dust, portland cement	68475-76-3	0.1-1.5
Calcium carbonate	471-34-1	< 1.5
Lithium carbonate	554-13-2	< 0.1
Cellulose, ethyl 2-hydroxyethyl ether	9004-58-4	< 0.1
Formaldehyde	50-00-0	< 0.1
Vinyl acetate	108-05-4	< 0.1

Pursuant to 29CFR 1910.1200(i) the specific chemical identity (and / or) concentration is being withheld as Trade Secret, while all health and safety properties and effects are included in the SDS.

Section 4. First aid measures**4.1 Description of first aid measures****First-aid measures general**

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation

If the individual experiences nausea, dizziness, has difficulty in breathing seek a healthcare professional immediately. In all cases of doubt, or when symptoms persist, seek medical advice. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or doctor/physician.

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

First-aid measures after skin contact	If skin irritation persists, seek medical attention. Remove or take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off immediately with soap and plenty of water.
First-aid measure after eye contact	When contact lenses are worn, remove if possible. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes while holding eyelids apart. Get medical attention immediately. Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.
First-aid measures after ingestion	

4.2 Most important symptoms and effects, acute and delayed

Symptoms/injuries after inhalation	May cause irritation to the respiratory tract. Overexposure to vapors may result in headache, nausea, drowsiness or dizziness.
Symptoms/injuries after skin contact	May cause skin irritation or burning sensation
Symptoms/injuries after eye contact	May cause eye irritation or injury
Symptoms/injuries after ingestion	May cause severe irritation or burns to the mucous membrane of the mouth, throat, esophagus and stomach

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

Section 5. Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	Treat for surrounding material
Unsuitable extinguishing media	None known

5.2 Special hazards arising from the substance or mixture

Reactivity	Product does not burn; however its packaging may. Products of combustion may include, and are not limited to: oxides of carbon.
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5.3 Advice for firefighters

Firefighting instructions	Keep upwind of fire.
Protective equipment for firefighters	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear when fighting any chemical fire.

Other information

Section 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

General measures	Take proper precautions to ensure your own health and safety before attempting spill control or cleanup
6.11 Protective Equipment	Equip cleanup crew with proper protective equipment.
6.2 Environmental precautions	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	Vacuum or sweep material and place in a disposal container. Collect into containers and dispose of properly.
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Section 7. Handling and storage**7.1 Precautions for safe handling**

Protective measures	Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. When not in use keep containers tightly closed.
Hygiene measures	Wash contaminated clothing before reuse. Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)**Storage conditions**

Store in accordance with local regulations. Store in original container in a cool well ventilated place. Keep containers dry and dry and tightly closed until ready for use.

Incompatible materials

Strong acids

Storage temperature

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Section 8. Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

Ingredient name	Occupational exposure limits ACGIH TLV (United States, 2/2010)
Calcium Sulfoaluminate Cement	1 mg/m ³ (respirable fraction)
Quartz	0.025 mg/m ³ (respirable fraction)
Cement, Portland, chemicals	1 mg/m ³ (respirable fraction)
Calcium sulfate	10 mg/m ³
Gypsum	10 mg/m ³
Ashes, residues	10 mg/m ³ (respirable fraction)
Magnesium oxide	10 mg/m ³
Limestone	10 mg/m ³
Calcium oxide	2 mg/m ³
Carbon black	3 mg/m ³
Flue dust, portland cement	3 mg/m ³ (respirable fraction)
Calcium carbonate	10 mg/m ³
Formaldehyde	0.3 ppm
Vinyl acetate	10 ppm

8.2 Exposure controls**Appropriate engineering controls**

Use with adequate ventilation to keep product concentrations below specified TLV

Eye and face protection

Chemical goggles and/or face shields are required to prevent potential eye contact, irritation or injury.

Skin protection

Wear chemical resistant gloves and appropriate protective clothing and boots as required to prevent skin contact. Wash exposed skin frequently with soap and water. Soiled clothing should be laundered before reuse.

Respiratory protection

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

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Sanded powder
Odor	None
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	Not applicable
Flash point	Not applicable
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density (Specific gravity)	2.8-3.0
Solubility	No data available
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
VOC content	No data available

Section 10. Stability and reactivity

10.1 Reactivity	No additional information available
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4 Conditions to avoid	Moisture - product must be kept dry until ready to use
10.5 Incompatible materials	Strong acids
10.6 Hazardous decomposition products	No data available

Section 11. Toxicology information

11.1 Information on toxicological effects

Acute toxicity	Harmful if swallowed	
Irritation/Corrosion	Skin	Causes severe skin burns.
	Eyes	Causes serious eye irritation and damage.
Respiration or skin sensitization	May cause respiratory irritation and allergic skin reaction	
Germ cell mutagenicity	No data available	
Carcinogenicity	IARC	NTP

Quartz	1	2
Carbon black	2B	
Vinyl acetate	2B	
Formaldehyde	1	2

IARC

1 - Carcinogenic to humans
2B - Limited evidence in humans and less than sufficient evidence in animals.

NTP

2 - Known human carcinogen

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

Reproductive toxicity	No data available
Specific target organ toxicity	
Single exposure	May cause respiratory irritation
Repeated exposure	Causes damage to lungs through prolonged or repeated exposure. (Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.)
Aspiration hazard	No data available

Section 12. Ecological information

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Other adverse effects	Avoid release to the environment

SECTION 13. Disposal Considerations

13.1 Waste treatment methods	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.
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SECTION 14. Transport information

In accordance with US DOT	Not dangerous goods in sense of transport regulations.
In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA / DOT	
14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No additional information available
14.6 Special precautions for user	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No additional information available
14.8 Transport in bulk according to CFR 49 173.15	Not applicable

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.2 USA Regulations	
Section 313	Contains the following ingredients at or above the reporting level requirements of Section 313. This information must be included in all SDS's copied or distributed for this material.

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

CHEMICAL	CAS #	MAX WEIGHT %
Lithium carbonate	554-13-2	1.0
Formaldehyde	50-00-0	0.1
Vinyl acetate	108-05-4	0.1

TSCA All ingredients are listed or exempted**PROPOSITION 65****WARNING:** This product can expose you to chemicals including Silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.**PROPOSITION 65****WARNING:** This product can expose you to chemicals including Lithium Carbonate, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**15.1.3 Canada Regulations**This SDS has been prepared according to the hazard criteria of the *Hazardous Products Regulation* (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR**DSL**

All ingredients are listed or exempted

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Section 16. Other information

Date of issue	10-11-2018
Version	2.1
Number	204
Date of previous issue	6-4-2015
Preparer	Nox-Crete Manufacturing Inc.

Reference Documentation

The information and recommendations contained herein are, to the best of Nox-Crete Manufacturing's knowledge and belief, accurate and reliable as of the date issued. You can contact Nox-Crete Manufacturing to insure that this document is the most current available from Nox-Crete Manufacturing. The information and recommendations are offered for the buyer's/user's consideration and examination. It is the buyer's/user's responsibility to satisfy themselves that the product is suitable for the intended use. Appropriate warnings and safe-handling procedures should be provided to all handlers and users. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Since the information provided herein 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/user may rely thereon only at their 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 buyer/user of the product mentioned herein to determine and comply with the requirements of all applicable statutes. If buyer/user repackages this product, it is the buyer's/user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Nox-Crete Manufacturing urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with this product. Alteration of this document is

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

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Full text of R, H and EUH phrases

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P264 - Wash exposed areas thoroughly after handling

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P271 - Use only outdoors or in a well-ventilated area

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P330+P312 - IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P331 - Do NOT induce vomiting

P303+P361+P353 - IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P310 - IF IN EYES: Immediately call a POISON CENTER or doctor/physician

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

P403+P233 - Store in a well ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

IARC

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