CONSTRUCTION GROUT Safety Data Sheet


Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product Form: Mixture
Trade Name: CONSTRUCTION GROUT
Product Code: CG

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use: Industrial. For professional use only.

1.3 Details of the supplier of the safety data sheet
Manufacturer: 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

Supplier:

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
CONSTRUCTION GROUT

Safety Data Sheet


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

Storage:
P405 - Store locked up.

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.

Full text of R, H and EUH phrases: see section 16

Section 3. Composition / information on ingredients
3.1 Substances
Not applicable
3.2 Mixture

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

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.
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.

First-aid measures after inhalation
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.

First-aid measures after ingestion
Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.

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.

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.

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.

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.

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
CONSTRUCTION GROUT

Safety Data Sheet


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
.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Occupational exposure limits ACGIH TLV (United States, 2/2010)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Sulfoaluminate Cement</td>
<td>1 mg/m3 (respirable fraction)</td>
</tr>
<tr>
<td>Quartz</td>
<td>0.025 mg/m3 (respirable fraction)</td>
</tr>
<tr>
<td>Cement, Portland, chemicals</td>
<td>1 mg/m3 (respirable fraction)</td>
</tr>
<tr>
<td>Calcium sulfate</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Gypsum</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Ashes, residues</td>
<td>10 mg/m3 (respirable fraction)</td>
</tr>
<tr>
<td>Magnesium oxide</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Limestone</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>2 mg/m3</td>
</tr>
<tr>
<td>Carbon black</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td>Flue dust, portland cement</td>
<td>3 mg/m3 (respirable fraction)</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>0.3 ppm</td>
</tr>
<tr>
<td>Vinyl acetate</td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

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
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

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

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>Irritation/Corrosion Skin</td>
<td>Causes severe skin burns.</td>
</tr>
<tr>
<td>Irritation/Corrosion Eyes</td>
<td>Causes serious eye irritation and damage.</td>
</tr>
<tr>
<td>Respiration or skin sensitization</td>
<td>May cause respiratory irritation and allergic skin reaction</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Carbon black</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>Vinyl acetate</td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

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

**NTP**
2 - Known human carcinogen
Reproductive toxicity
Specific target organ toxicity
  Single exposure
  Repeated exposure

No data available

May cause respiratory irritation
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 Bio accumulative 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.

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.
CONSTRUCTION GROUT

Safety Data Sheet


<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS #</th>
<th>MAX WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium carbonate</td>
<td>554-13-2</td>
<td>1.0</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>0.1</td>
</tr>
<tr>
<td>Vinyl acetate</td>
<td>108-05-4</td>
<td>0.1</td>
</tr>
</tbody>
</table>

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 Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

DSL
15.2 Chemical safety assessment
All ingredients are listed or exempted
A Chemical Safety Assessment has not been carried out.

Section 16. Other information

| Date of issue             | 9-19-2018  |
| Version                   | 2.1        |
| Number                    | 203        |
| Date of previous issue    | 6-3-2015   |
| 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/user’s consideration and examination. It is the buyer/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/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/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 strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part is not permitted.
Full text of R, H and EUH phrases

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

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

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

NTP
2 - Known human carcinogen