



chemical solutions to concrete problems

HYDRO PLUG

Safety Data Sheet

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

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

1.1 Product identifier

Product Form	Mixture
Trade Name	HYDRO PLUG
Product Code	HP

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

Use	Industrial. For professional use only.
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1.2.2 Uses Advised Against

No additional information available

1.3 Details of the supplier of the safety data sheet

Manufacturer	Supplier
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NOX-CRETE, 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
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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

Hazard statements

Danger
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:

Supplemental Information:

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

**Section 3. Composition / information on ingredients****3.1 Substances**

Not applicable

3.2 Mixture

Name	Product identifier CAS #	%
Quartz	14808-60-7	30-50
Cement, Portland, chemicals	65997-15-1	30-45
Calcium hydroxide	1305-62-0	< 1.5
Cement, alumina, chemicals	65997-16-2	< 20
Gypsum	13397-24-5	2.5-4
Magnesium hydroxide	1309-42-8	< 1.0
Magnesium oxide	1309-48-4	2.5-4
Limestone	1317-65-3	2-10
Calcium oxide	1305-78-8	1.5-2.5
Flue dust, portland cement	68475-76-3	< 1.5

Pursuant to 29CFR 1910.1200(i) the specific chemical identity (and / or) concentration may be withheld as Trade Secret, while all health and safety properties and effects are included in the SDS. Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

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.

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.

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. Equip cleanup crew with proper protective equipment.

6.11 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.

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**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)
Quartz	0.025 mg/m ³ (respirable fraction)
Cement, Portland, chemicals	1 mg/m ³ (respirable fraction)
Limestone	10 mg/m ³
Gypsum	10 mg/m ³
Magnesium hydroxide	10 mg/m ³ (respirable fraction)
Magnesium oxide	10 mg/m ³
Calcium oxide	2 mg/m ³
Calcium Hydroxide	5 mg/m ³
Flue dust, portland cement	3 mg/m ³ (respirable fraction)

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 recommended 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**

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	Causes severe skin burns.
Skin	Causes serious eye irritation and damage.
Eyes	May cause respiratory irritation and allergic skin reaction
Respiration or skin sensitization	No data available
Germ cell mutagenicity	
Carcinogenicity	IARC

Quartz	1
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IARC

1 - Carcinogenic to humans

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 Bioaccumulative potential	No data available



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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

TSCA

Contains no ingredients at or above the De Minimus reporting level
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.

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

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

7-12-2023

Version

3.0

Number

210

Date of previous issue

10-10-2018

Preparer

Nox-Crete, Inc.

Reference Documentation



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Full text of R, H and EUH phrases

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IARC

1 - Carcinogenic to humans