

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

Product Form	Mixture
Trade Name	Tag X
Product Code	TX

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**

Classification according to Regulations 29CFR 1910.1200 , (EC) No. 1272/2008(CLP)(GHS)

Flam Liq. 3	H226
Met. Corr. 1	H290
Acute Tox. 4 (oral)	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3 drowsiness	H336

Full text of H phrases see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H226 - Flammable liquid and vapor
H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness

Precautionary statements**Prevention:**

P210 - Keep away from heat/sparks/open flames/hot surfaces-No smoking
P233- Keep container tightly closed
P241 - Use explosion-proof electrical/ventilating/light/equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash exposed areas thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response:

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+P330+P331 - IF SWALLOWED: Rinse mouth. 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
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
Rinsing
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use Dry chemical, foam, carbon dioxide for extinction
P403+P235+P233 - Store in a cool well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Storage:**Disposal:****2.3 Other hazards**

None known

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

Not applicable

3.2 Mixture

Name	Product identifier	%
Pottasium Hydroxide Solution	1310-58-3	Trade Secret
Proprietary Solvent Blend	Trade Secret	Trade Secret

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.

Full text of H and P phrases: see section 16

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.

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**

Use fire-extinguishing media appropriate for surrounding materials.
Dry chemical, foam carbon dioxide

Unsuitable extinguishing media

Do not use heavy water stream

5.2 Special hazards arising from the substance or mixture**Reactivity**

Thermal decomposition products may cause a health hazard.

5.3 Advice for firefighters**Firefighting instructions**

Use water spray or fog to cool exposed containers.

Protective equipment for firefighters

Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear when fighting any chemical fire.

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

Other information On heating or burning harmful gasses/vapors may be released.
This product may cause the floor to become slippery.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures Dike or impound spilled material. Take proper precautions to ensure your own health and safety before attempting spill control or cleanup

6.11 For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.12 For emergency responders

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 Soak up spills with inert solids, such as clay or diatomaceous earth.
Collect into vapor tight containers and dispose of properly.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in work areas to prevent formation of vapor. When not in use keep containers tightly closed. Avoid breathing vapor or mist.
Hygiene measures Wash contaminated clothing before reuse.

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 tightly closed until ready for use. Keep from freezing.

Incompatible materials Organic and inorganic bases. Flammable hydrogen gas and heat may be released on prolonged contact with metals such as aluminum, tin, lead and galvanized metals.

Storage temperature Prevent exposure to freezing temperatures.

7.3 Specific end uses No additional information available

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Occupational exposure limits ACGIH TLV (United States, 2/2010)
Pottasium Hydroxide Solution	2 mg/m3 TLV
Proprietary Solvent Blend	100 ppm 8 hours TWA

8.2 Exposure controls

Appropriate engineering controls Use with adequate ventilation to keep product vapor concentrations below specified TLV

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

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	General room ventilation is normally adequate. Avoid breathing the product mist or vapors. The use of an appropriate respirator is recommended whenever the airborne concentrations exceed the TLV.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Brown thick liquid
Odor	Slight
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	100 C (212 F)
Flash point	46 C (115 F)
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)	1.25 Kg per Liter 10.4 Lbs per Gallon
Solubility	Water: Complete
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not applicable
Oxidizing properties	Not applicable

9.2 Other information

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	Extreme high or low temperatures. Avoid freezing
10.5 Incompatible materials	
10.6 Hazardous decomposition products	Combustion may produce Carbon Monoxide ,Carbon Dioxide and Nitrous Oxide from incomplete combustion.

Section 11. Toxicology information

11.1 Information on toxicological effects

Acute toxicity	No adverse effects expected under intended use.
Irritation/Corrosion Skin	May cause skin irritation

Eyes	May causes serious eye irritation and damage.
Respiration or skin sensitization	May cause respiratory irritation
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity	
Single exposure	Not classified
Repeated exposure	Not classified
Aspiration hazard	Not classified

Section 12. Ecological information

12.1 Toxicity	Not established
12.2 Persistence and degradability	Not established
12.3 Bioaccumulative potential	Not established
12.4 Mobility in soil	No additional information available
12.5 Results of PBT and vPvB assessment	No additional information available
12.6 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 DOT	
14.1 UN number	UN1814
14.2 UN proper shipping name	Potassium Hydroxide Solution
14.3 Transport hazard class(es)	8
14.4 Packing group	II
In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA	
14.1 UN number	UN2920
14.2 UN proper shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S., (POTASSIUM HYDROXIDE, 1-METHOXY-2-PROPANOL)
14.3 Transport hazard class(es)	8 (3)
14.4 Packing group	II
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

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	None of the ingredients is listed
TSCA	All ingredients are listed
Proposition 65	None of the ingredients is listed



chemical solutions
to concrete problems

TAG X Safety Data Sheet

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

Carcinogenic Categories

EPA	None of the ingredients is listed
IARC	None of the ingredients is listed
TLV (ACGIH)	None of the ingredients is listed
NIOSH	None of the ingredients is listed
OSHA	None of the ingredients is listed

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

This product complies with DSL

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Section 16. Other information

Date of issue	9-9-2015
Version	2.0
Number	766
Date of previous issue	1-15-2015
Preparer	Nox-Crete Manufacturing Inc.

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)

Full text of H, P and EUH phrases

Flam Liq. 3	H226
Met. Corr. 1	H290
Acute Tox. 4 (oral)	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3 drowsiness	H336

H226 - Flammable liquid and vapor

H290 - May be corrosive to metals

H302 - Harmful if swallowed

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

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H336 - May cause drowsiness or dizziness

P210 - Keep away from heat/sparks/open flames/hot surfaces-No smoking

P233- Keep container tightly closed

P241 - Use explosion-proof electrical/ventilating/light/equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P264 - Wash exposed areas thoroughly after handling

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

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

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P301+P330+P331 - IF SWALLOWED: Rinse mouth. 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.

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use Dry chemical, foam, carbon dioxide for extinction

P403+P235+P233 - Store in a cool well ventilated place. Keep container tightly closed.

P405 - Store locked up.

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