

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

Product Form	Mixture
Trade Name	CLEAR PRE-FORM
Product Code	CP

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**

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

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

Flam Liq. 2	H225
Asp. Tox. 1	H304
Acute Tox. 4 (dermal)	H312
Skin Irrit. 2	H315
Skin Sens 1	H317
Eye Irrit. 2	H319
Acute Tox. 1 (inhalation)	H330
Resp Sens 1	H334
STOT SE 3 Resp Irrit.	H335
STOT SE 3 drowsiness	H336
Car 2	H351
Repr. 2	H361
STOT RE 2	H373

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**Hazard statements****Danger**

H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to ears and CNS through prolonged or repeated exposure

Flam Liq. 2

Precautionary statements**Prevention:**

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces-No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
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 area's thoroughly after handling.
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
P285 - In case of inadequate ventilation wear respiratory protection
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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+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.
P331 - Do NOT induce vomiting
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention

Response:

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

Storage: P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use Dry chemical, foam, carbon dioxide for extinction
P403+P405+P235+P233 - Store locked up in a cool well ventilated place. Keep container tightly closed.

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

2.3 Other hazards

None known

Full text of H and P phrases: see section 16

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

Not applicable

3.2 Mixture

Name	Product identifier	%
Glycol Ether Ester	108-65-6	Trade Secret
Aromatic Solvent	64742-95-6	Trade Secret
Methyl Ethyl Ketone	78-93-3	< 9.1
Polyurethane Reacted Polymer	Mixture	Trade Secret
Toluene Diisocyanate (Mixed Isomers)	26471-62-5	< 1.3
Toluene	108-88-3	< 4.7
Xylene	1330-20-7	< 3.0
Ethylbenzene	100-41-4	< 0.9
Ester	141-78-6	Trade Secret
Naphtha (petroleum), hydrotreated light	64742-49-0	Trade Secret
1,2,4- Trimethylbenzene	95-63-6	2.1
4-methylpentan-2-one	108-10-1	<0.7

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.
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	Dry chemical, foam, carbon dioxide
Unsuitable extinguishing media	If water is used it should be in very large quantities. The reaction between hot isocyanate and water may be vigorous.
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	Flammable Liquid! This material releases vapors when heated above ambient temperatures. Vapors can cause a flash fire.
Protective equipment for firefighters	Firefighters should always wear self-contained breathing apparatus (SCBA) and full protective gear when fighting any chemical fire.
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	Cleanup should only be performed by trained personnel. People dealing with major spills should wear full protective clothing including respirator protection. Extremely Flammable. Eliminate any ignition sources. 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

Contain and absorb large spills onto an inert, non-flammable absorbent carrier (such as earth or sand). Shovel into open top drum for further decontamination, if necessary. Wash the spill area clean with liquid decontamination solution. Neutralize small spills with liquid decontamination solution. Remove and properly dispose of residues.

PREPERATION OF DECONTAMINATION SOLUTION -
Prepare a decontamination solution of (0.2-0.5 % liquid detergent and 3.0-8.0 % concentrated ammonium hydroxide in water) 5.0-10.0 % sodium carbonate may be substituted for the ammonium hydroxide. Follow the precautions on the supplier's Safety Data Sheets when preparing and using the solution.

USE OF DECONTAMINATION SOLUTION -
Allow deactivated material to stand for at least 30 minutes before shoveling into drums. Do not tighten drum bungs. Mixing with wet earth is also effective, but slower.

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. Wash contaminated clothing before reuse.

Hygiene measures

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 away from heat, sparks and open flame. Keep containers tightly closed until ready for use.

Incompatible materials

Water, alcohol, ammonia, amines, alkalis. Some reactions can be violent.

Storage temperature

Store in a cool dry environment away from sources of ignition.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Occupational exposure limits ACGIH TLV (United States)
Glycol Ether Ester	TWA: 50 ppm 8 hours
Aromatic Solvent	TWA: 100 mg/m ³ as mist
Methyl Ethyl Ketone	TWA: 200 ppm 8 hours
Toluene Diisocyanate (Mixed Isomers)	TWA: .005 ppm 8 hours
Toluene	TWA: 20 ppm 8 hours
Xylene	TWA: 100 ppm 8 hours
Ethylbenzene	TWA: 20 ppm 8 hours

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

Ester	TWA: 400 ppm 8 hours
Naphtha (petroleum), hydrotreated light	TWA: 247 ppm 8 hours
1,2,4- Trimethylbenzene	TWA: 25 ppm 8 hours
4-methylpentan-2-one	TWA: 20 ppm 8 hours

8.2 Exposure controls**Appropriate engineering controls**

Use with adequate ventilation to keep product vapor 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

Avoid breathing the product mist or vapors. The use of a NIOSH approved positive air supplied respirator is recommended whenever the airborne concentrations exceed the specified TLV or there is a high concentration of product in the air such as created by spraying the product. Air purifying (cartridge type) respirators are not approved for protection against diisocyanates.

Section 9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Clear liquid
Odor	Strong aromatic
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	> 150 C (>300 F)
Flash point	> -4 C > 24 F PMCC
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Flammable Liquid
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density (Specific gravity)	0.95 Kg per Liter 7.9 Lbs per Gallon
Solubility	Reacts with water
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
VOC content	< 600 grams per liter

Section 10. Stability and reactivity**10.1 Reactivity**

Reacts with water

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.

10.5 Incompatible materials

Water, alcohol, ammonia, amines, alkalies. Some reactions can be violent.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, nitrogen oxides, and traces of hydrogen cyanide.

Section 11. Toxicology information**11.1 Information on toxicological effects****Acute toxicity**

No data available

Irritation/Corrosion Skin

May cause skin irritation or sensitization.

Eyes

May cause serious eye irritation and damage.

Respiration or skin sensitization

May cause respiratory irritation or sensitization.

Germ cell mutagenicity

No data available

Carcinogenicity**IARC**

Xylene	3
Ethylbenzene	2B
Toluene	3
4-methylpentan-2-one	2B
Toluene Diisocyanate (Mixed Isomers)	2B

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

3 - Inadequate in humans and inadequate or limited in animals.

Product is based on reacted Toluene Diisocyanate (TDI) and a Polyurethane Reacted Polymer. A small amount of TDI (<1.3 %) may be present in the product. Any potential hazard can be minimized by the proper use of personnel protective equipment, clothing and hygienic method.

Reproductive toxicity

No data available.

Specific target organ toxicity**Single exposure**

No data available

Repeated exposure

No data available

Aspiration hazard

May be fatal if swallowed and enters airways

Section 12. Ecological information**12.1 Ecotoxicity**

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 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 ADR / RID / ADNR / IMDG / ICAO / IATA

14.1 UN number	UN1866
14.2 UN proper shipping name	Resin Solution
14.3 Transport hazard class(es)	3 (Flammable Liquid)
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
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.

CHEMICAL	CAS #	MAX WEIGHT %
Xylene	1330-20-7	3.0
Ethylbenzene	100-41-4	0.9
1,2,4- Trimethylbenzene	95-63-6	2.4
Toluene Diisocyanate (mixed isomers)	26471-62-5	1.3
Toluene	108-88-3	4.7

TSCA

All ingredients are listed or exempted.

PROPOSITION 65

WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and 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	2-4-2020
Version	2.4
Number	56
Date of previous issue	7-27-2018
Preparer	Nox-Crete, Inc.

Reference Documentation

The information and recommendations contained herein are, to the best of Nox-Crete, Inc.'s knowledge and belief, accurate and reliable as of the date issued. You can contact Nox-Crete, Inc. to ensure that this document is the most

current available from Nox-Crete, Inc. 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 ensure proper health, safety and other necessary information is included with and/or on the container. Nox-Crete, Inc. 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 H and P phrases

Flam Liq. 2	H225	Flam Liq. 2 - Flammable liquids, hazard category 2
Asp. Tox. 1	H304	Asp. Tox. 1 - Aspiration hazard, hazard category 1
Acute Tox. 4 (dermal)	H312	Acute Tox. 4 (dermal) - Acute toxicity (dermal), hazard category 4
Skin Irrit. 2	H315	Skin Irrit. 2 - Skin irritation, hazard category 2
Skin Sens 1	H317	Skin Sens. 1 - Skin sensitization, hazard category 1
Eye Irrit. 2	H319	Eye Irrit. 2 - Serious eye damage / eye irritation, Category 2
Acute Tox. 1 (inhalation)	H330	Acute Tox. 1 (inhalation) - Acute toxicity (inhalation), hazard category 1
Resp Sens 1	H334	Resp. Sens. 1 - Respiratory sensitization, Category 1
STOT SE 3 Resp Irrit.	H335	STOT SE 3 - Respiratory tract irritation, hazard category 3
STOT SE 3 drowsiness	H336	STOT SE 3 - Narcotic effects, hazard category 3
Car 2	H351	Car 2 - Carcinogenicity, Category 2
Repr. 2	H361	Repr. 2 - Reproductive toxicity, hazard category 2
STOT RE 2	H373	STOT RE-3 - - May cause damage to organs through prolonged or repeated exposure

H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H312 - Harmful in contact with skin

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H351 - Suspected of causing cancer

H361 - Suspected of damaging fertility or the unborn child

H373 - May cause damage to ears and CNS through prolonged or repeated exposure

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

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

-
- P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
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 area's thoroughly after handling.
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
P285 - In case of inadequate ventilation wear respiratory protection
P301+P310 - IF SWALLOWED - Immediately call a POISON CENTER or doctor/physician
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+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.
P331 - Do NOT induce vomiting
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use Dry chemical, foam, carbon dioxide for extinction
P403+P405+P235+P233 - Store locked up in a cool well ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations