

**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 MANUFACTURING INC  
1444 SOUTH 20<sup>TH</sup> STREET  
OMAHA, NE 68108  
Tel: 402-341-2080  
Fax: 402-341-9752  
E-Mail: [corporate@nox-crete.com](mailto:corporate@nox-crete.com)  
Web Site: [www.nox-crete.com](http://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

**Disposal:** 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.

**2.3 Other hazards**

None known

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**

| 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 |
| Naptha (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

|  |   |
|--|---|
| <b>First-aid measures after inhalation</b>   | mouth to an unconscious person.<br>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. |
| <b>First-aid measures after skin contact</b>   | 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.   |
| <b>First-aid measure after eye contact</b>   | 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.   |
| <b>First-aid measures after ingestion</b>  | Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.   |
| <b><u>4.2 Most important symptoms and effects, acute and delayed</u></b>                     |   |
| <b>Symptoms/injuries after inhalation</b>  | May cause irritation to the respiratory tract. Overexposure to vapors may result in headache, nausea, drowsiness or dizziness.  |
| <b>Symptoms/injuries after skin contact</b>  | May cause skin irritation or burning sensation  |
| <b>Symptoms/injuries after eye contact</b>   | May cause eye irritation or injury  |
| <b>Symptoms/injuries after ingestion</b>   | May cause severe irritation or burns to the mucous membrane of the mouth, throat, esophagus and stomach   |
| <b><u>4.3 Indication of any immediate medical attention and special treatment needed</u></b> |   |
| 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, alkalies. 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<br>ACGIH TLV (United States) |
|--------------------------------------|---|
| Glycol Ether Ester                   | TWA: 50 ppm 8 hours                                       |
| Aromatic Solvent                     | TWA: 100 mg/m <sup>3</sup> 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                                       |

|  |                      |
|--|----------------------|
| Ester                                  | TWA: 400 ppm 8 hours |
| Naptha (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**

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



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

|  |                                     |
|--|-------------------------------------|
| <b>14.1 UN number</b>  | UN1866                              |
| <b>14.2 UN proper shipping name</b>  | Resin Solution                      |
| <b>14.3 Transport hazard class(es)</b>   | 3 (Flammable Liquid)                |
| <b>14.4 Packing group</b>  | II                                  |
| <b>14.5 Environmental hazards</b>  | No additional information available |
| <b>14.6 Special precautions for user</b>   |                                     |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | No additional information available |
| <b>14.8 Transport in bulk according to CFR 49 173.15</b>                             | 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****Proposition 65**

All ingredients are listed or exempted  
This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive toxicity.

**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          | 11-17-2015                   |
| Version                | 2.2                          |
| Number                 | 56                           |
| Date of previous issue | 6-15-2015                    |
| 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 Buyer's 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 R, H and EUH 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