

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

|              |             |
|--------------|-------------|
| Product Form | Mixture     |
| Trade Name   | DURO-SHIELD |
| Product Code | DSD         |

**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<br>1444 SOUTH 20 <sup>TH</sup> STREET<br>OMAHA, NE 68108<br>Tel: 402-341-2080<br>Fax: 402-341-9752<br>E-Mail: <a href="mailto:corporate@nox-crete.com">corporate@nox-crete.com</a><br>Web Site: <a href="http://www.nox-crete.com">www.nox-crete.com</a> |          |

**1.4 Emergency telephone number**

|                  |  |
|------------------|--|
| Emergency Number | Chemtrec (800) 424-9300<br>Chemtrec Outside of U.S. 703-527-3887 |
|------------------|--|

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

|                           |      |
|---------------------------|------|
| Acute Tox. 4 (oral)       | H302 |
| Acute Tox. 4 (dermal)     | H312 |
| Skin Irrit. 2             | H315 |
| Eye Irrit. 2B             | H320 |
| Acute Tox. 4 (inhalation) | H332 |

**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

**WARNING**

Hazard statements

H302 - Harmful if swallowed  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H320 - Causes eye irritation  
H332 - Harmful if inhaled

**Precautionary statements****Prevention:**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P264 - Wash exposed area's thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product  
 P271 - Use only outdoors or in a well-ventilated area  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection

**Response:**

P301+P330 - IF SWALLOWED: Rinse mouth.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
 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.  
 P321 - Specific treatment (see on this label)  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P362 - Take off contaminated clothing and wash before reuse  
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**Disposal****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 | %     |
|----------------------------------|--------------------|-------|
| 2-Butoxyethanol                  | Trade Secret       | < 6.0 |
| Diethylene Glycol Monoethylether | Trade Secret       | < 3.0 |

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

|   |   |
|---|---|
| <b>First-aid measure after eye contact</b>  | immediately all contaminated clothing. Rinse skin with water or shower. Wash off immediately with soap and plenty of water.   |
| <b>First-aid measures after ingestion</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. Rinse mouth. DO NOT induce vomiting. Get medical attention immediately. |
| <b>4.2 Most important symptoms and effects, acute and delayed</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>4.3 Indication of any immediate medical attention and special treatment needed</b> |   |
| 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.

#### 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 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**

Strong Acids, Strong oxidizing agents

**Storage temperature**

Prevent exposure to freezing temperatures.

## Section 8. Exposure controls/personal protection

**8.1 Control parameters**

**Occupational exposure limits**

| Ingredient name                  | Occupational exposure limits<br>ACGIH TLV (United States, 2/2010) |
|----------------------------------|---|
| 2-Butoxyethanol                  | TWA 20 ppm  |
| Diethylene Glycol Monoethylether | TWA 25 ppm  |

**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**

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                                  | White Emulsion                      |
| Odor  | Mild solvent                        |
| 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                                 | 82 C (180 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)         | 1.0 Kg per Liter 8.4 Lbs per Gallon |
| Solubility                                  | Water: Complete                     |
| Partition coefficient n-octanol/water       | No data available                   |
| Auto-ignition temperature                   | Not applicable                      |
| Viscosity                                   | No data available                   |
| VOC content                                 | No data available                   |

## Section 10. Stability and reactivity

**10.1 Reactivity**

No additional information available

|  |  |
|--|--|
| <b>10.2 Chemical stability</b>                 | Stable under normal conditions                                       |
| <b>10.3 Possibility of hazardous reactions</b> | Hazardous polymerization will not occur.                             |
| <b>10.4 Conditions to avoid</b>                | Extreme high or low temperatures. <b>Avoid freezing temperatures</b> |
| <b>10.5 Incompatible materials</b>             | Strong Acids, Strong oxidizing agents                                |
| <b>10.6 Hazardous decomposition products</b>   | Carbon Monoxide, Carbon Dioxide                                      |

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

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | No adverse effects expected under intended use.  |
| <b>Irritation/Corrosion</b>              | May cause skin irritation  |
| <b>Skin</b>                              | May cause serious eye irritation and damage.   |
| <b>Eyes</b>                              | May cause respiratory irritation   |
| <b>Respiration or skin sensitization</b> | Not classified   |
| <b>Germ cell mutagenicity</b>            | No component of this product present at levels greater than 0.1 % is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC) |
| <b>Carcinogenicity</b>                   | Not classified   |
| <b>Reproductive toxicity</b>             | Not classified   |
| <b>Specific target organ toxicity</b>    |  |
| <b>Single exposure</b>                   | Not classified   |
| <b>Repeated exposure</b>                 | Not classified   |
| <b>Aspiration hazard</b>                 | Not classified   |

**Section 12. Ecological information**

|   |                                     |
|---|-------------------------------------|
| <b>12.1 Ecotoxicity</b>                   | Not established                     |
| <b>12.2 Persistence and degradability</b> | Not established                     |
| <b>12.3 Bioaccumulative potential</b>     | Not established                     |
| <b>12.4 Mobility in soil</b>              | No additional information available |
| <b>12.5 Other adverse effects</b>         | Avoid release to the environment    |

**SECTION 13. Disposal Considerations**

|                                     |  |
|-------------------------------------|--|
| <b>13.1 Waste treatment methods</b> | 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

|  |  |
|--|--|
| <b>14.1 UN number</b>  | Not dangerous goods in sense of transport regulations. |
| <b>14.2 UN proper shipping name</b>  | Concrete Sealer / Waterproofer                         |
| <b>14.3 Transport hazard class(es)</b>   | Not applicable   |
| <b>14.4 Packing group</b>  | Not applicable   |
| <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 % |
|----------------------------------|----------|--------------|
| Glycol Ether Category            |          | 6.0          |
| Diethylene Glycol Monoethylether | 111-90-0 | 3.0          |

**TSCA****Proposition 65**

All ingredients are listed or exempted  
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****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          | 9-13-2018                    |
| Version                | 2.1                          |
| Number                 | 764                          |
| Date of previous issue | 5-22-2015                    |
| Preparer               | Nox-Crete Manufacturing Inc. |

**Reference Documentation**

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**Full text of R, H and EUH phrases**

|                       |      |
|-----------------------|------|
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| Acute Tox. 4 (dermal) | H312 |

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|                           |      |
|---------------------------|------|
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| Eye Irrit. 2B             | H320 |
| Acute Tox. 4 (inhalation) | H332 |

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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.  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.