

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Printing date 11/18/2014

Reviewed on 11/18/2014

### \* 1 Identification

- **Product identifier**
- **Trade name:** EXPone HD
- **Product description** EXPone Engine Treatment with TBN Booster
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Extreme Polymers LLC  
11875 W. Little York Road #204  
Houston, TX 77041  
Phone: 832-230-1998  
Fax: 832-770-9066  
www.extremepolymers.com
- **Emergency telephone number:** 832-230-1998

### \* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
Trade Secret  
Trade Secret  
Trade Secret
- **Hazard statements**  
Causes skin irritation.  
Causes serious eye irritation.
- **Precautionary statements**  
Wear protective gloves.  
Wear eye protection / face protection.  
Wash thoroughly after handling.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

|            |   |                |
|------------|---|----------------|
| HEALTH     | 1 | Health = 1     |
| FIRE       | 1 | Fire = 1       |
| REACTIVITY | 0 | Reactivity = 0 |

### \* 3 Composition/information on ingredients

|                                   |        |
|-----------------------------------|--------|
| Proprietary Oil                   | 25-50% |
| Proprietary Petroleum Distillates | 25-50% |
| Proprietary Petroleum Distillates | 25-50% |

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

| · <b>Dangerous Components:</b> |   |        |
|--------------------------------|---|--------|
| Trade Secret                   | ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320                    | 5-10%  |
| Trade Secret                   | ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1A, H314                   | ≤ 2.5% |
| Trade Secret                   | ⚠ Skin Corr. 1C, H314; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H335 | ≤ 2.5% |

- **Additional information:**  
Trade Secret/Proprietary made in accordance with paragraph (i) of 1910.1200 of 29 CF 1910.1200, the OSHA Communication Standard.

### \* 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**  
In case of unconsciousness, place patient securely on side position for transportation.  
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash areas with soap and water.  
If symptoms persist, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist, consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Dispose of the collected material according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### \* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with occupational exposure limits:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

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- **Material of gloves** Chemical resistant
- **Penetration time of glove material**  
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:** Tightly sealed goggles

### \* 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form: Liquid

Color: Not determined.

· Odor: Not determined.

· Odor threshold: Not determined.

· pH-value: Not determined.

##### · Change in condition

Melting point/Melting range: Not determined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

##### · Ignition temperature:

Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

##### · Explosion limits:

Lower: Not determined.

Upper: Not determined.

##### · Density:

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

##### · Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

##### · Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

· Other information: No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

### \* 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:**

Strong irritant with the danger of severe eye injury.

Causes serious eye irritation.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

- **NTP (National Toxicology Program)**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

### \* 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Do not allow product to reach sewage system.

Observe all federal, state and local environmental regulations when disposing of this material.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

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### \* 14 Transport information

- **UN-Number** UN1760
- **DOT, ADR, IMDG, IATA** UN1760
- **UN proper shipping name** Corrosive liquids, n.o.s. (Trade Secret, Trade Secret)
- **DOT** UN1760 Corrosive liquids, n.o.s. (Trade Secret, Trade Secret)
- **ADR** CORROSIVE LIQUID, N.O.S. (Trade Secret, Trade Secret)
- **IMDG, IATA**
- **Transport hazard class(es)**

· **DOT**



- **Class** 8 Corrosive substances
- **Label** 8

· **ADR**



- **Class** 8 (C9) Corrosive substances
- **Label** 8

· **IMDG, IATA**



- **Class** 8 Corrosive substances
- **Label** 8
- **Packing group**
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Corrosive substances
- **Danger code (Kemler):** 80
- **EMS Number:** F-A,S-B
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations** On passenger aircraft/rail: 5 L  
On cargo aircraft only: 60 L

· **ADR**

- **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

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- **IMDG**
  - **Limited quantities (LQ)**
  - **Excepted quantities (EQ)**
  - **UN "Model Regulation":**
- 5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml  
UN1760, Corrosive liquids, n.o.s. (Trade Secret, Trade Secret), 8, III

#### \* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

|  |
|--|
| · <b>Section 355 (extremely hazardous substances):</b> |
| None of the ingredients are listed.                    |

|  |
|--|
| · <b>Section 313 (Specific toxic chemical listings):</b> |
| None of the ingredients are listed.                      |

|   |
|---|
| · <b>TSCA (Toxic Substances Control Act):</b> |
| Proprietary Oil                               |
| Proprietary Petroleum Distillates             |
| Proprietary Petroleum Distillates             |
| Trade Secret                                  |
| Trade Secret                                  |
| Trade Secret                                  |
| Proprietary Refined Petroleum Distillates     |
| Proprietary Refined Petroleum Distillates     |
| Trade Secret                                  |

· **Proposition 65**

|   |
|---|
| · <b>Chemicals known to cause cancer:</b> |
| None of the ingredients are listed.       |

|  |
|--|
| · <b>Chemicals known to cause reproductive toxicity for females:</b> |
| None of the ingredients are listed.                                  |

|  |
|--|
| · <b>Chemicals known to cause reproductive toxicity for males:</b> |
| None of the ingredients are listed.                                |

|   |
|---|
| · <b>Chemicals known to cause developmental toxicity:</b> |
| None of the ingredients are listed.                       |

· **Carcinogenic categories**

|  |  |          |
|--|--|----------|
| · <b>EPA (Environmental Protection Agency)</b> |  | I (oral) |
| Trade Secret                                   |  |          |

|   |
|---|
| · <b>TLV (Threshold Limit Value established by ACGIH)</b> |
| None of the ingredients are listed.                       |

|   |
|---|
| · <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b> |
| None of the ingredients are listed.                                       |

- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

Trade Secret  
Trade Secret  
Trade Secret

· **Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.

· **Precautionary statements**

Wear protective gloves.  
Wear eye protection / face protection.  
Wash thoroughly after handling.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **State Right to Know**

|            |   |        |
|------------|---|--------|
| 64742-65-0 | Highly refined mineral oils                 | 25-50% |
|            | Proprietary Petroleum Distillates           | 25-50% |
|            | Proprietary Petroleum Distillates           | 25-50% |
|            | Trade Secret                                | 5-10%  |
|            | ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320  |        |
|            | Trade Secret                                | ≤ 2.5% |
|            | ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1A, H314 |        |
|            | Trade Secret                                | ≤ 2.5% |
|            | ⚠ Skin Corr. 1A, H314                       |        |

All ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 11/18/2014 / 7

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Acute Tox. 3: Acute toxicity, Hazard Category 3

Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· **\* Data compared to the previous version altered.**

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