1. Product and Company Identification

PRODUCT NUMBER: 1203
PRODUCT NAME: KNOCK OUT
PRODUCT DESCRIPTION: Heavy-Duty Aerosol Foaming Machinery Degreaser
COMPANY INFORMATION: PRO CHEM, INC.
1475 Bluegrass Lakes Parkway
Alpharetta, GA 30004

COMPANY PHONE: 1-800-241-8180
EMERGENCY TELEPHONE: 1-800-241-8180
INFOTRAC: 1-800-535-5053

2. Hazards Identification

GHS CLASSIFICATION:
- Flammable aerosol: Category 1
- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A
- Sensitization, skin: Category 1
- Carcinogenicity: Category 2
- Specific target organ toxicity, repeated exposure: Category 2
- Aspiration hazard: Category 1
- OSHA defined hazards: Not classified.

SIGNAL WORD: DANGER
SIGNAL WORD: DANGER
SIGNAL WORD: DANGER
SIGNAL WORD: DANGER

HAZARD STATEMENTS:
Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container. Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response: If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

STORAGE:
Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

DISPOSAL:
Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:
Not classified.

ENVIRONMENTAL HAZARDS:
- Hazardous to the aquatic environment, acute Hazard: Category 2
- Hazardous to the aquatic environment, long-term hazard: Category 2

SUPPLEMENTAL INFORMATION:
- Hazard statement: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
- Prevention: Avoid release to the environment.
- Response: Collect spillage.
- Not applicable.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Mixture</th>
<th>CHEMICAL NAME</th>
<th>CAS</th>
<th>Concentration % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>D-limonene</td>
<td>D-limonene 94266-47-4</td>
<td>20-40</td>
</tr>
<tr>
<td></td>
<td>Butane</td>
<td>106-97-8</td>
<td>10-20</td>
</tr>
<tr>
<td></td>
<td>Propane</td>
<td>74-98-5</td>
<td>2.5-10</td>
</tr>
<tr>
<td></td>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>1-2.5</td>
</tr>
<tr>
<td></td>
<td>Diethylene Glycol Monoethyl Ether</td>
<td>111-90-0</td>
<td>1-2.5</td>
</tr>
<tr>
<td></td>
<td>Sodium Bicarbonate</td>
<td>144-65-8</td>
<td>1-2.5</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td></td>
<td>40-60</td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.
4. First Aid Measures

**EMERGENCY OVERVIEW**

**WARNING:**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

**EYES:**
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**SKIN:**
Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. For minor skin contact, avoid spreading material on unaffected skin.

**INHALATION:**
If symptoms develop: move victim to fresh air. Get medical attention if symptoms persist.

**INGESTION:**
Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:**
Irritation of eyes and mucous membranes. May cause allergic skin reaction. Prolonged exposure may cause chronic effects.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

---

5. Fire Fighting Measures

**SUITABLE FIRE EXTINGUISHING MEDIA:**

**UNSUITABLE FIRE EXTINGUISHING MEDIA:**
None known.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

**SPECIFIC FIRE-FIGHTING METHODS:**
Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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6. Accidental Release Measures

**PERSONAL PRECAUTIONS:**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing gas. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:**
Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

---

7. Handling and Storage

**SAFE HANDLING:**
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use personal protective equipment as required. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not empty into drains.

**SAFE STORAGE & INCOMPATIBILITIES:**
Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B).
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>OCCUPATIONAL EXPOSURE LIMITS</th>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPONENTS</td>
<td>TYPE</td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>PEL</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPONENTS</td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Butane (CAS 106-97-8)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. WORKPLACE ENVIRONMENTAL EXPOSURE LEVEL (WEEL) GUIDES</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPONENTS</td>
</tr>
<tr>
<td>Diethylene Glycol Monoethyl Ether (CAS 111-90-0)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

**BIOLOGICAL LIMIT VALUE:**
No biological exposure limits noted for the ingredient(s).

**EXPOSURE GUIDELINES:**
No biological exposure limits noted for the ingredient(s).

**US - California OELs: Skin designation**
Diethanolamine (CAS 111-42-2)
Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**
Diethanolamine (CAS 111-42-2)
Can be absorbed through the skin.

**ENGINEERING CONTROLS:**
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**
EYE PROTECTION: Wear eye/face protection. Wear safety glasses with side shields (or goggles).
SKIN PROTECTION: Wear protective gloves. Wear appropriate chemical resistant clothing.
RESPIRATORY PROTECTION: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
THERMAL HAZARDS: Wear appropriate thermal protective clothing, when necessary.

**GENERAL HYGIENE CONSIDERATIONS:**
When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

---

9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>APPEARANCE</th>
<th>VAPOR PRESSURE: 46.02 psig @70F estimated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Gas.</td>
</tr>
<tr>
<td>Form:</td>
<td>Aerosol.</td>
</tr>
<tr>
<td>Color:</td>
<td>Not available.</td>
</tr>
<tr>
<td>ODOR:</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available.</td>
</tr>
<tr>
<td>VAPOR DENSITY:</td>
<td>Not available.</td>
</tr>
<tr>
<td>SOLUBILITY (water):</td>
<td>Not available.</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>0.695 estimated</td>
</tr>
<tr>
<td>VISCOSITY:</td>
<td>Not available.</td>
</tr>
<tr>
<td>MELTING/FREEZING POINT:</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

10. Stability & Reactivity Information

**REACTIVITY:**
The product is stable and non-reactive under normal conditions of use, storage and transport.

**CHEMICAL STABILITY:**
Material is stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:**
Hazardous polymerization does not occur.

**CONDITIONS TO AVOID:**
Avoid temperatures exceeding the flash point.

**DECOMPOSITION PRODUCTS:**
No hazardous decomposition products are known.

11. Toxicological Information

**PRIMARY ROUTE OF ENTRY:**
EYES: Causes serious eye irritation.
SKIN: Causes skin irritation. May cause an allergic skin reaction.
INHALATION: May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful. May cause damage to organs by inhalation.
INGESTION: May be fatal if swallowed and enters airways.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:
Irritant effects.

ACUTE TOXICITY:
May be fatal if swallowed and enters airways. May cause allergic skin reaction.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>SPECIES</th>
<th>TEST RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Dermal</td>
<td>Rabbit</td>
<td>201.1815 m/l/kg, estimated</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>9402.9297 mg/kg, estimated</td>
</tr>
<tr>
<td>Inhalation LC50</td>
<td>Mouse</td>
<td>3185.74 mg/l, 2 Hours, estimated</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>23265.7207 mg/l, 15 Minutes, estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4773.0322 mg/l, 4 Hours, estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3284.0728 mg/l/4h, estimated</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>Guinea pig</td>
<td>45.4318 g/kg, estimated</td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
<td>471.1598 g/kg, estimated</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>48313.1758 mg/kg, estimated</td>
</tr>
<tr>
<td>Other LD50</td>
<td>Dog</td>
<td>215.301 g/kg, estimated</td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
<td>88676.4766 mg/kg, estimated</td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
<td>64.5903 g/kg, estimated</td>
</tr>
</tbody>
</table>

COMPONENTS

Butane (CAS 106-97-8)

| Acute Inhalation LC50     | Mouse            | 680 mg/l, 2 Hours                                  |
|                          | Rat              | 658 mg/l, 4 Hours                                  |

Diethanolamine (CAS 111-42-2)

| Acute Dermal              | Rabbit           | 11.9 ml/kg                                         |

Diethylene Glycol Monoethyl Ether (CAS 111-90-9)

| Acute Dermal              | Rabbit           | 5900 mg/kg                                         |
|                           | Mouse            | 6000 mg/kg                                         |
|                           | Rat              | 8476 mg/kg                                         |
|                           |                  | 6000 mg/kg                                         |
| Oral LD50                 | Guinea pig       | 3000 mg/kg                                         |
|                           | Mouse            | 6.68 g/kg                                          |
|                           | Rabbit           | 3620 mg/kg                                         |
|                           | Rat              | 1920 mg/kg                                         |
| Other LD50                | Dog              | 3 g/kg                                             |
|                           | Mouse            | 2300 mg/kg                                         |
|                           | Rabbit           | 0.9 g/kg                                           |
|                           | Rat              | 2200 mg/kg                                         |

D-limonene (CAS 94256-47-4)

| Acute Dermal              | Rat              | 2000 mg/kg                                         |

Propane (CAS 74-98-6)

| Inhalation LC50           | Rat              | > 1442.847 mg/l, 15 Minutes                       |
|                           |                  | 658 mg/l/4h                                       |

Sodium Bicarbonate (CAS 144-55-8)

| Oral LD50                 | Rat              | 4220 mg/kg                                         |

* Estimates for product may be based on additional component data not shown.

SKIN CORROSION/IRRITATION:
Causes skin irritation.

SERIOUS EYE DAMAGE/IRRITATION:
Causes serious eye irritation.

RESPIRATORY SENSITIZATION:
Not available.

SKIN SENSITIZATION:
May cause an allergic skin reaction.
GERM CELL MUTAGENICITY:
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY:
Suspected of causing cancer.
IARC Monographs. Overall Evaluation of Carcinogenicity
Diethanolamine (CAS 111-42-2) 2B Possibly carcinogenic to humans.

REPRODUCTIVE TOXICITY:
This product is not expected to cause reproductive or developmental effects.

SPECIFIC TARGET ORGAN TOXICITY (single exposure):
Not classified.

SPECIFIC TARGET ORGAN TOXICITY (repeated exposures):
Respiratory system. Skin. Eyes. May cause damage to organs through prolonged or repeated exposure.

ASPIRATION HAZARD:
May be fatal if swallowed and enters airways.

CHRONIC EFFECTS:
Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure.

12. Ecological Information

ECOTOXICITY:
Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>SPECIES</th>
<th>TEST RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 OZ KNOCK OUT LB 12PK (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>

COMPONENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>SPECIES</th>
<th>TEST RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine (CAS 111-42-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50</td>
<td>Water flea (Ceriodaphnia dubia)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
</tr>
<tr>
<td>Diethylene Glycol Monoethyl Ether (CAS 111-90-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus)</td>
</tr>
<tr>
<td>D-limonene (CAS 94266-47-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
<tr>
<td>Sodium Bicarbonate (CAS 144-55-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Western mosquitofish (Gambusia affinis)</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

PERSISTENCE AND DEGRADABILITY:
7550 mg/l, 96 hours

BIOACCUMULATIVE POTENTIAL:
No data available.

Partition coefficient n-octanol / water (log Kow)
- Diethanolamine: 0.54
- Diethylene Glycol Monoethyl Ether: 1.43
- Propane: 2.36
- Butane: 2.89

MOBILITY IN SOIL:
No data available.

OTHER ADVERSE EFFECTS:
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

DISPOSAL INSTRUCTIONS:
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

LOCAL DISPOSAL REGULATIONS:
Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE:
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES/UNUSED PRODUCTS:
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING:
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transportation Information

DOT

Product Name: KNOCK OUT
Product Number: 1203
Revision Date: 9/16/2015

Pro Chem Inc
Page 5 of 7
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: Aerosols, flammable
TRANSPORT HAZARD CLASS(ES)
    Class: 2.1
    Subsidiary Risk: Not available.
    Label(s): 2.1
PACKING GROUP: Not available.
SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.
SPECIAL PROVISIONS: N2
PACKAGING EXCEPTIONS: 306
PACKAGING NON BULK: None
PACKAGING BULK: None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: Aerosols, flammable
TRANSPORT HAZARD CLASS(ES)
    Class: 2.1
    Subsidiary Risk: Not available.
    Label(s): 2.1
PACKING GROUP: Not available.
ENVIRONMENTAL HAZARDS: Yes
ERG CODE: 10L
SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

IDMG
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: AEROSOLS, MARINE POLLUTANT
TRANSPORT HAZARD CLASS(ES)
    Class: 2.1
    Subsidiary Risk: Not available.
    Label(s): 2.1
PACKING GROUP: Not available.
ENVIRONMENTAL HAZARDS:
    Marine pollutant: Yes
EmS: F-D, S-U
SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 and the IBC CODE:
Not applicable.

MARINE POLLUTANT

15. Regulatory Information
US FEDERAL REGULATIONS:
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)
Diethanolamine (CAS 111-42-2) LISTED
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
SARA 304 Emergency release notification
Not regulated.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA):
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No
SARA 302 Extremely Hazardous Substance
No
SARA 311/312 Hazardous Chemical
No

OTHER FEDERAL REGULATIONS
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Diethanolamine (CAS 111-42-2)
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Safe Drinking Water Act (SDWA)
Not regulated.
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
Chemical Code Number
Not listed.
Food and Drug Administration (FDA)
Not regulated.

US STATE REGULATIONS
US. New Jersey Worker and Community Right-to-Know Act
Butane (CAS 106-97-8) 500 lbs
Diethanolamine (CAS 111-42-2) 500 lbs
Propane (CAS 74-98-6) 500 lbs
US. Pennsylvania RTK - Hazardous Substances
Butane (CAS 106-97-8)
Diethanolamine (CAS 111-42-2)
Propane (CAS 74-98-6)
US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Country(s) or region | Inventory name | On inventory (yes/no)*
--- | --- | ---
Australia | Australian Inventory of Chemical Substances (AICS) | No
Canada | Domestic Substances List (DSL) | No
Canada | Non-Domestic Substances List (NDSL) | No
China | Inventory of Existing Chemical Substances in China (IECSC) | Yes
Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes
Europe | European List of Notified Chemical Substances (ELINCS) | No
Japan | Inventory of Existing and New Chemical Substances (ENCS) | No
Korea | Existing Chemicals List (ECL) | No
New Zealand | New Zealand Inventory | Yes
Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No
United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information
N/A = Not Applicable; N/D = Not Determined
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