1. Identification

Product identifier: HydroForce® Industrial Strength Degreaser

Other means of identification:
- Product code: 14415
- Recommended use: General purpose degreaser
- Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information:
- Company name: CRC Industries, Inc.
- Address: 885 Louis Dr. Warminster, PA 18974 US
- Telephone:
  - General Information: 215-674-4300
  - Technical Assistance: 800-521-3168
  - Customer Service: 800-272-4620
  - 24-Hour Emergency Call (CHEMTREC): 703-527-3887 (International)
- Website: www.crcindustries.com

2. Hazard(s) identification

Physical hazards: Corrosive to metals

Health hazards:
- Acute toxicity, inhalation: Category 4
- Skin corrosion/irritation: Category 1
- Serious eye damage/eye irritation: Category 1

Environmental hazards:
- Hazardous to the aquatic environment, acute hazard: Category 2
- Hazardous to the aquatic environment, long-term hazard: Category 3

OSHA defined hazards: Not classified.

Label elements:
- Signal word: Danger
- Hazard statement: May be corrosive to metals. Causes severe skin burns and eye damage. Harmful if inhaled. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
- Precautionary statement:
  - Prevention: Keep only in original container. Do not breathe vapor. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
  - Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
  - Storage: Store locked up.
  - Disposal: Dispose of contents/container in accordance with local/regional/national regulations.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>70 - 80</td>
</tr>
<tr>
<td>Tripropylene glycol methyl ether</td>
<td></td>
<td>25498-49-1</td>
<td>3 - 5</td>
</tr>
<tr>
<td>Alcohols, C12-15, Ethoxylated</td>
<td></td>
<td>68131-39-5</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Dioctyl sodium sulfosuccinate</td>
<td></td>
<td>577-11-7</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td></td>
<td>34590-94-8</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td></td>
<td>1310-58-3</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td></td>
<td>57-55-6</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td></td>
<td>6834-92-0</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Tetrasodium ethylenediaminetetraacetate</td>
<td></td>
<td>64-02-8</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Vanilla fragrances</td>
<td>Proprietary</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td>d-Limonene</td>
<td></td>
<td>5989-27-5</td>
<td>&lt; 0.2</td>
</tr>
<tr>
<td>Terpinolene</td>
<td></td>
<td>586-62-9</td>
<td>&lt; 0.2</td>
</tr>
</tbody>
</table>

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact**

Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

**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.

**Most important symptoms/effects, acute and delayed**

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire-fighting equipment/instructions**

Move containers from fire area if you can do so without risk.
6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling
Do not breathe vapor. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Use care in handling/storage. For product usage instructions, please see the product label.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry place out of direct sunlight. Keep only in the original container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether (CAS 34590-94-8)</td>
<td>PEL</td>
<td>600 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether (CAS 34590-94-8)</td>
<td>STEL</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td>TWA Ceiling</td>
<td>2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipropylene glycol monomethyl ether (CAS 34590-94-8)</td>
<td>STEL</td>
<td>900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>600 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td>TWA</td>
<td>2 mg/m3</td>
</tr>
</tbody>
</table>

**US. AIHA Workplace Environmental Exposure Level (WEEL) Guides**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-Limonene (CAS 5989-27-5)</td>
<td>TWA</td>
<td>165.5 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol (CAS 57-55-6)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Aerosol.</td>
</tr>
</tbody>
</table>

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

Material name: HydroForce® Industrial Strength Degreaser
14415  Version #: 01  Issue date: 02-02-2015  SDS US 3 / 10
Exposure guidelines

US - California OELs: Skin designation
Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

US - Tennessee OELs: Skin designation
Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation
Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation
Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

Appropriate 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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Hand protection
Wear protective gloves such as: Nitrile. Rubber.
Other
Wear appropriate chemical resistant clothing.

Respiratory protection
If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
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.

9. Physical and chemical properties

Appearance
Physical state
Liquid.
Form
Liquid.
Color
Red.
Odor
Pleasant.
Odor threshold
Not available.
pH
13.1
Melting point/freezing point
-112 °F (-80 °C) estimated
Initial boiling point and boiling range
212 °F (100 °C) estimated
Flash point
None (Tag Closed Cup)
Evaporation rate
Slow.
Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
1.1 % estimated
Flammability limit - upper (%)
36 % estimated
Vapor pressure
19.5 hPa estimated
Vapor density
Not available.
Relative density
1.09
Solubility (water)
Soluble.
Partition coefficient (n-octanol/water)
Not available.
Auto-ignition temperature: 404.6 °F (207 °C) estimated
Decomposition temperature: Not available.
Viscosity (kinematic): Not available.
Percent volatile: 81.1 % estimated

10. Stability and reactivity

Reactivity: Reacts violently with strong acids. This product may react with oxidizing agents. May be corrosive to metals.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Do not mix with other chemicals. Contact with incompatible materials.
Hazardous decomposition products: Carbon oxides.

11. Toxicological information

Information on likely routes of exposure
- Ingestion: Causes digestive tract burns.
- Inhalation: Harmful if inhaled.
- Skin contact: Causes severe skin burns.
- Eye contact: Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity: Harmful if inhaled.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>HydroForce® Industrial Strength Degreaser</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>2113.2 mg/kg calculated</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>17.7 mg/l, 4 hours calculated</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>4602.4 mg/kg calculated</td>
</tr>
</tbody>
</table>

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

Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation: Causes serious eye damage.
Respiratory sensitization: Not available.
Skin sensitization: This product is not expected to cause skin sensitization.
Respiratory or skin sensitization | Sensitization | Vanilla fragrances | 0, Skin |
Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: Based on available data, the classification criteria are not met.
IARC Monographs. Overall Evaluation of Carcinogenicity: d-Limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity 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 exposure
Not classified.

Aspiration hazard
Based on available data, the classification criteria are not met.

Chronic effects
Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity
Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>HydroForce® Industrial Strength Degreaser</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Daphnia</td>
<td>22.6045 mg/l, 48 hours estimated</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fish</td>
<td>126.6752 mg/l, 96 hours estimated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-15, Ethoxylated (CAS 68131-39-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna)</td>
<td>0.4 - 0.75 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>2.7 mg/l, 96 hours</td>
</tr>
<tr>
<td>Dioctyl sodium sulfosuccinate (CAS 577-11-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Rainbow trout, donaldson trout (Oncorhynchus mykiss)</td>
<td>20 - 40 mg/l, 96 hours</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether (CAS 34590-94-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Daphnia</td>
<td>&gt; 5000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>10000 mg/l, 96 hours</td>
</tr>
<tr>
<td>d-Limonene (CAS 5989-27-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia pulex)</td>
<td>69.6 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>0.619 - 0.796 mg/l, 96 hours</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS 1310-58-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Western mosquitofish (Gambusia affinis)</td>
<td>80 mg/l, 96 hours</td>
</tr>
<tr>
<td>Propylene glycol (CAS 57-55-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna)</td>
<td>4850 - 34000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>710 mg/l, 96 hours</td>
</tr>
<tr>
<td>Sodium metasilicate (CAS 6834-92-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Ceriodaphnia dubia)</td>
<td>0.28 - 0.57 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Western mosquitofish (Gambusia affinis)</td>
<td>1800 mg/l, 96 hours</td>
</tr>
<tr>
<td>Tetrasodium ethylenediaminetetraacetate (CAS 64-02-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Bluegill (Lepomis macrochirus)</td>
<td>472 - 500 mg/l, 96 hours</td>
</tr>
<tr>
<td>Tripropyleneglycol methyl ether (CAS 25498-49-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea LC50</td>
<td>Water flea (Daphnia magna)</td>
<td>&gt; 10000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test Results</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 11619 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

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

**Persistence and degradability**
No data is available on the degradability of this product.

**Bioaccumulative potential**
No data available.

**Partition coefficient n-octanol / water (log Kow)**
- d-Limonene: 4.232
- Propylene glycol: -0.92
- Terpinolene: 4.23
- Tripropyleneglycol methyl ether: -0.2

**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 of waste from residues / unused products**
If discarded, this product is considered a RCRA corrosive waste, D002. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

**Hazardous waste code**
D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]

**Contaminated packaging**
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

**DOT**
- **UN number**: UN1760
- **UN proper shipping name**: Corrosive liquids, n.o.s. (Potassium hydroxide RQ = 83333 LBS, Sodium metasilicate), Limited Quantity
- **Transport hazard class(es)**
  - **Class**: 8
  - **Subsidiary risk**: -
  - **Label(s)**: 8
- **Packing group**: II
- **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.
- **Special provisions**: B2, IB2, T11, TP2, TP27
- **Packaging exceptions**: 154
- **Packaging non bulk**: 202
- **Packaging bulk**: 242

**IATA**
- **UN number**: UN1760
- **UN proper shipping name**: Corrosive liquids, n.o.s. (Potassium hydroxide, Sodium metasilicate), Limited Quantity
- **Transport hazard class(es)**
  - **Class**: 8
  - **Subsidiary risk**: -
  - **Packing group**: II
  - **Environmental hazards**: No.
  - **ERG Code**: 8L
  - **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.
  - **Other information**: Passenger and cargo aircraft Allowed.
  - **Passenger and cargo aircraft only**: Allowed.

**IMDG**
- **UN number**: UN1760
- **UN proper shipping name**: CORROSIVE LIQUID, N.O.S. (Potassium hydroxide, Sodium metasilicate), LIMITED QUANTITY
- **Transport hazard class(es)**
  - **Class**: 8
  - **Subsidiary risk**: -
Packing group II
Environmental hazards
Marine pollutant No.
EmS F-A, S-B
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

SARA 304 Emergency release notification
Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
Potassium hydroxide (CAS 1310-58-3)

CERCLA Hazardous Substances: Reportable quantity
Potassium hydroxide (CAS 1310-58-3) 1000 LBS
Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Food and Drug Administration (FDA)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. New Jersey Worker and Community Right-to-Know Act
Dipropylene glycol monomethyl ether (CAS 34590-94-8)
Potassium hydroxide (CAS 1310-58-3)
Propylene glycol (CAS 57-55-6)
Terpinolene (CAS 586-62-9)

US. Massachusetts RTK - Substance List
Dipropylene glycol monomethyl ether (CAS 34590-94-8)
Potassium hydroxide (CAS 1310-58-3)

US. Pennsylvania Worker and Community Right-to-Know Law
Potassium hydroxide (CAS 1310-58-3)
Dipropylene glycol monomethyl ether (CAS 34590-94-8)
Propylene glycol (CAS 57-55-6)

US. Rhode Island RTK
Potassium hydroxide (CAS 1310-58-3)
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.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Formaldehyde (CAS 50-00-0) Listed: January 1, 1988

US - California Proposition 65 - CRT: Listed date/Developmental toxin
Methanol (CAS 67-56-1) Listed: March 16, 2012

Volatile organic compounds (VOC) regulations

EPA
VOC content (40 CFR 51.100(s)) 8.2 %
Consumer products (40 CFR 59, Subpt. C) Not regulated

State
Consumer products This product is regulated as a General Purpose Degreaser (non-aerosol). This product is not compliant to be sold for use in California. This product is compliant in all other states.
VOC content (CA) 4 %
VOC content (OTC) 4 %

International Inventories

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

*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, including date of preparation or last revision

| Issue date     | 02-02-2015 |
| Prepared by    | Allison Cho |
| Version #      | 01         |
| Further information | CRC # 433E |
| HMIS® ratings  | Health: 3  |
|                | Flammability: 0 |
|                | Physical hazard: 1 |
|                | Personal protection: B |
| NFPA ratings   | Health: 3  |
|                | Flammability: 0 |
|                | Instability: 1 |
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