1. Product and Company Identification

Product Name: PRO ResCare™
CAS #: Mixture
Product use: Water Softener Resin Cleaner
Manufacturer: Pro Products LLC
7201 Engle Road
Fort Wayne, IN 46804-5875 US
Phone 260-483-2519
Emergency Phone: 1-800-424-9300 (CHEMTREC)

LEGEND

HMIS/NFPA

Health / 3
Flammability 0
Physical Hazard 0
Personal Protection B

2. Hazards Identification

Emergency overview: DANGER -- CORROSIVE

Potential short term health effects

Routes of exposure
Eye, Skin contact, Inhalation, Ingestion.

Eyes
Causes chemical burns. May cause blindness.

Skin
Causes chemical burns.

Inhalation
Harmful if inhaled. May cause respiratory tract irritation.

Ingestion
Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Target organs
Eyes. Respiratory system. Skin.

Chronic effects
Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

Signs and symptoms
The product causes burns of eyes, skin and mucous membranes.

OSHA Regulatory Status
This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects
This product has not been tested.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>15 - 40</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact
Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin contact
Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation
If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion
Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

General advice
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.
5. Fire Fighting Measures

<table>
<thead>
<tr>
<th>Flammable properties</th>
<th>Not flammable by WHMIS/OSHA criteria.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing media</td>
<td></td>
</tr>
<tr>
<td>Suitable extinguishing media</td>
<td>Treat for surrounding material.</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>Not available</td>
</tr>
<tr>
<td>Protection of firefighters</td>
<td></td>
</tr>
<tr>
<td>Specific hazards arising from the chemical</td>
<td>Not available</td>
</tr>
<tr>
<td>Protective equipment for firefighters</td>
<td>Firefighters should wear full protective clothing including self contained breathing apparatus.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>May include and are not limited to: Oxides of carbon. Oxides of phosphorus.</td>
</tr>
<tr>
<td>Explosion data</td>
<td></td>
</tr>
<tr>
<td>Sensitivity to mechanical impact</td>
<td>Not available</td>
</tr>
<tr>
<td>Sensitivity to static discharge</td>
<td>Not available</td>
</tr>
</tbody>
</table>

6. Accidental Release Measures

| Personal precautions | Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. |
| Environmental precautions | Prevent entry into waterways, sewers, basements or confined areas. |
| Methods for containment | Stop leak if you can do so without risk. |
| Methods for cleaning up | Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. |

7. Handling and Storage

| Handling | Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. |
| Storage | Keep out of the reach of children. Store in a closed container away from incompatible materials. |

8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Exposure limits</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient(s)</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>TWA: 1 mg/m3</td>
</tr>
<tr>
<td></td>
<td>STEL: 3 mg/m3</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 1 mg/m3</td>
</tr>
<tr>
<td>Engineering controls</td>
<td>Use only under good ventilation conditions or with respiratory protection.</td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td></td>
</tr>
<tr>
<td>Eye / face protection</td>
<td>Wear chemical goggles.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Rubber gloves. Confirm with a reputable supplier first.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>As required by employer code. Rubber apron recommended.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.</td>
</tr>
<tr>
<td>General hygiene considerations</td>
<td>Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.</td>
</tr>
</tbody>
</table>

9. Physical and Chemical Properties

| Appearance | Clear. |
| Color      | Blue   |
Form: Liquid
Odor: Characteristic
Odor threshold: Not available
Physical state: Liquid
pH: < 1
Melting point: Not available
Freezing point: Not available
Boiling point: Not available
Pour point: Not available
Evaporation rate: Not available
Flash point: None
Auto-ignition temperature: Not available
Flammability limits in air, lower, % by volume: Not available
Flammability limits in air, upper, % by volume: Not available
Vapor pressure: Not available
Vapor density: Not available
Specific gravity: 1.10 - 1.11
Octanol/water coefficient: Not available
Solubility (H2O): Complete
Viscosity: Water thin
Percent volatile: Not available

10. Stability and Reactivity

Reactivity: Reacts violently with alkaline material. This product may react with reducing agents.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Chemical stability: Stable under recommended storage conditions.
Conditions to avoid: Do not mix with other chemicals.
Hazardous decomposition products: May include and are not limited to: Oxides of carbon. Oxides of phosphorus. Toxic fumes.

11. Toxicological Information

Component analysis - LC50
Ingredient(s) | LC50
---|---
Phosphoric acid | Not available

Component analysis - Oral LD50
Ingredient(s) | LD50
---|---
Phosphoric acid | 1530 mg/kg rat

Effects of acute exposure:

Eye: Causes chemical burns. May cause blindness.
Skin: Causes chemical burns.
Inhalation: Harmful if inhaled. May cause respiratory tract irritation.
Ingestion: Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Sensitization: Non-hazardous by WHMIS/OSHA criteria.

Chronic effects: Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity: Not classified or listed by IARC, NTP, OSHA and ACGIH.
Mutagenicity: Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects: Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity: Non-hazardous by WHMIS/OSHA criteria.
12. Ecological Information

Ecotoxicity - Freshwater Fish - Acute Toxicity Data
Phosphoric acid 7664-38-2 96 Hr LC50 Gambusia affinis: 3 - 3.5 mg/L

Ecotoxicity - Water Flea - Acute Toxicity Data
Phosphoric acid 7664-38-2 12 Hr EC50 Daphnia magna: 4.6 mg/L

Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Persistence / degradability Not available
Bioaccumulation / accumulation Not available
Mobility in environmental media Not available
Environmental effects Not available
Aquatic toxicity Not available
Partition coefficient Not available
Chemical fate information Not available
Other adverse effects Not available

13. Disposal Considerations

Disposal instructions Review federal, state/provincial, and local government requirements prior to disposal.
Waste from residues / unused products Not available
Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:
Proper shipping name Phosphoric acid solution
Hazard class 8
UN number UN1805
Packing group III
Additional information:
Special provisions A7, IB3, N34, T4, TP1
Packaging exceptions <5L - Consumer Commodity ORM-D
ERG number 154

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:
Proper shipping name PHOSPHORIC ACID, LIQUID
Hazard class 8
UN number UN1805
Packing group III
Additional information:
Packaging exceptions <5L - Consumer Commodity
15. Regulatory Information

### Canadian federal regulations
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### Canada - WHMIS - Ingredient Disclosure List
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>1 %</td>
</tr>
</tbody>
</table>

#### WHMIS status
Controlled

#### WHMIS classification
Class E - Corrosive Material

#### WHMIS labeling

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### Occupational Safety and Health Administration (OSHA)

#### 29 CFR 1910.1200 hazardous chemical
Yes

### US Federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Final RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>5000 Lb; 2270 kg</td>
</tr>
</tbody>
</table>

#### CERCLA (Superfund) reportable quantity
Phosphoric acid: 5000,0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

#### Section 302 extremely hazardous substance
No

#### Section 311 hazardous chemical
Yes

### Clean Air Act (CAA)
Not available

### Clean Water Act (CWA)
Not available

### State regulations
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

#### U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>On inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>Present</td>
</tr>
</tbody>
</table>

#### U.S. - Louisiana - Reportable Quantity List for Pollutants
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Final RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>5000 Lb; 2270 kg</td>
</tr>
</tbody>
</table>

#### U.S. - Massachusetts - Right To Know List
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td></td>
</tr>
</tbody>
</table>

#### U.S. - Minnesota - Hazardous Substance List
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td></td>
</tr>
</tbody>
</table>

#### U.S. - New Jersey - Right to Know Hazardous Substance List
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>sn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>1516</td>
</tr>
</tbody>
</table>

#### U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Final RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>5000 Lb RQ; 100 lb RQ</td>
</tr>
</tbody>
</table>

#### U.S. - Pennsylvania - RTK (Right to Know) List
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Environmental hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td></td>
</tr>
</tbody>
</table>

#### U.S. - Rhode Island - Hazardous Substance List
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Toxic; Flammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td></td>
</tr>
</tbody>
</table>

### Inventory name

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</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).
### 16. Other Information

<table>
<thead>
<tr>
<th>Disclaimer</th>
<th>Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Issue date</strong></td>
<td>01-Mar-2011</td>
</tr>
<tr>
<td><strong>Effective date</strong></td>
<td>15-May-2011</td>
</tr>
<tr>
<td><strong>Expiry date</strong></td>
<td>15-May-2014</td>
</tr>
<tr>
<td><strong>Prepared by</strong></td>
<td>Dell Tech Laboratories Ltd. (519) 858-5021</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.</td>
</tr>
</tbody>
</table>