1. Product and Company Identification

Product Name: Poly Guard Crystals
CAS #: Mixture
Product use: Water treatment
Manufacturer: Pro Products LLC
7201 Engle Road
Fort Wayne, IN 46804-5875 US
Phone 260-483-2519
Emergency Phone: 1-800-424-9300 (CHEMTREC)

<table>
<thead>
<tr>
<th>LEGEND</th>
<th>HMIS/NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
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</tr>
<tr>
<td>Serious</td>
<td>3</td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview: CAUTION
Handle with care. Sharp edges may cut skin, may irritate eyes.

Potential short term health effects:
- Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.
- Eyes: May cause irritation.
- Skin: May cause irritation.
- Inhalation: May cause respiratory tract irritation.
- Ingestion: May cause stomach distress, nausea or vomiting.

Target organs: Eyes, Skin.
Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms:
Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status: This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects: Not available

3. Composition / Information on Ingredients

Composition comments: Non-hazardous by WHMIS/OSHA criteria

4. First Aid Measures

First aid procedures:
- Eye contact: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
- Skin contact: Flush with cool 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.

Notes to physician: Symptoms may be delayed.
5. Fire Fighting Measures

Flammable properties
Not flammable by WHMIS/OSHA criteria.

Extinguishing media
- Suitable extinguishing media: Treat for surrounding material.
- Unsuitable extinguishing media: Not available

Protection of firefighters
- Specific hazards arising from the chemical: Not available
- Protective equipment for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products
May include and are not limited to: Oxides of phosphorus.

Explosion data
- Sensitivity to mechanical impact: Not available
- Sensitivity to static discharge: Not available

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
Do not discharge into lakes, streams, ponds or public waters.

Methods for containment
Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling
Use good industrial hygiene practices in handling this material.
Avoid contact with eyes and skin.
Wash thoroughly after handling.

Storage
Keep out of reach of children.
Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Engineering controls
General ventilation normally adequate.

Personal protective equipment
- Eye / face protection: Wear safety glasses with side shields.
- Hand protection: Rubber gloves. Confirm with a reputable supplier first.
- Skin and body protection: As required by employer code.
- Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
- General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

- Appearance: Glass-like
- Color: Clear to off-white
- Form: Crystals or Beads
- Odor: Odorless
- Odor threshold: Not available
10. Stability and Reactivity

Reactivity: None known.

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.

Incompatible materials: None known.

Hazardous decomposition products: May include and are not limited to: Oxides of phosphorus.

11. Toxicological Information

Effects of acute exposure:
- Eye: May cause irritation.
- Skin: May cause irritation.
- Inhalation: May cause respiratory tract irritation.
- Ingestion: May cause stomach distress, nausea or vomiting.

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.

Name of Toxicologically Synergistic Products: Not available

12. Ecological Information

Ecotoxicity: Not available

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
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)
Not regulated as dangerous goods.

#### Transportation of Dangerous Goods (TDG - Canada)
Not regulated as dangerous goods.

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.

#### WHMIS status
Not Controlled

#### Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical
No

#### US Federal regulations
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### CERCLA (Superfund) reportable quantity
None

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

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

##### Section 302 extremely hazardous substance
No

##### Section 311 hazardous chemical
No

#### 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.

#### Inventory name

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
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<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

#### Disclaimer
The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

#### Issue date
05-Oct-2012
Other information
For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.