SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: UltraGlow Snow and Ice Melt
Product form: Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Ice Melter/De-Icer

1.3. Details of the supplier of the safety data sheet
UltraPRO Products
PO Box 195
Plumsteadville, PA 18949
215-857-2839

1.4. Emergency telephone number
Emergency number: 215-857-2839

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification: Not classified

2.2. Label elements
GHS-US labelling: No labelling applicable

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture
<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>(CAS No) 7647-14-5</td>
<td>100</td>
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</tr>
<tr>
<td>Potassium chloride</td>
<td>(CAS No) 7447-40-7</td>
<td></td>
<td>Proprietary</td>
</tr>
<tr>
<td>Acetic acid, calcium magnesium salt</td>
<td>(CAS No) 76123-46-1</td>
<td></td>
<td>Proprietary</td>
</tr>
<tr>
<td>Proprietary Ingredient</td>
<td>Trade Secret</td>
<td></td>
<td>Not classified</td>
</tr>
<tr>
<td>Magnesium chloride, hexahydrate</td>
<td>(CAS No) 7791-18-6</td>
<td></td>
<td>Proprietary</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation: IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.

First-aid measures after skin contact: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.

First-aid measures after eye contact: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

First-aid measures after ingestion: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use
Symptoms/Injuries after inhalation: May cause respiratory irritation.
UltraGlow Snow and Ice Melt
Safety Data Sheet
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Symptoms/Injuries after skin contact | May cause skin irritation. |
| Symptoms/Injuries after eye contact | Direct contact with the eyes is likely to be irritating. |
| Symptoms/Injuries after ingestion   | May cause gastrointestinal irritation. |

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture
Fire hazard: No data to indicate that product is flammable.
Explosion hazard: Product is not explosive.
Reactivity: Product is hygroscopic and may give off heat while dissolving.

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Evacuate area. Ventilate area. Keep upwind.

6.1.1. For non-emergency personnel
Protective equipment: Wear Protective equipment as described in Section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions
Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
For containment: Contain and collect as any solid. Prevent entry to sewers and public waters.
Methods for cleaning up: Sweep up loose material. Place residues in suitable, covered, and labeled container. Dispose of material in compliance with local, state, and federal regulations.

6.4. Reference to other sections
No additional information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. If diluting, the heat developed during diluting or dissolving is very high. Use cool water (less than 80°F) and add material to water.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from atmospheric moisture.
Incompatible materials: Moisture. Refer to Section 10 on Incompatible Materials.
Storage area: Store in a well-ventilated place.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Not applicable.
UltraGlow Snow and Ice Melt
Safety Data Sheet
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls
Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment: Protective goggles. Gloves.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection: Use eye protection suitable to the environment. Avoid direct contact with eyes.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: Orange colored crystals with pellets and flakes.
Color: No data available
Odor: No data available
Odor Threshold: No data available
pH: No data available
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
 Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Product is hygroscopic and may give off heat while dissolving.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Contact with certain metals.
10.5. Incompatible materials
Sulfuric acid. Metals may corrode in aqueous calcium chloride solutions. Avoid contact with brass, steel, aluminum, ferrous metals or alloys thereof. Leather clothing and shoes may be damaged by calcium chloride. Strong oxidizing agents.

10.6. Hazardous decomposition products
Reacts slowly with (some) metals: release of highly flammable gases/vapours hydrogen. Product attracts moisture and gives off heat while dissolving. May produce toxic and noxious fumes under extreme fire conditions. Strong oxidizing agents will release chlorine. Liberates chlorine upon thermal decomposition.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : May cause skin irritation.
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : No information available.

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations : Dispose of in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT
Not hazardous for transport

Additional information
Other information : No supplementary information available.

Transport by sea
No additional information available
UltraGlow Snow and Ice Melt
Safety Data Sheet
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Air transport
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations
UltraGlow Snow and Ice Melt
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt*
*the mixture Calcium Magnesium Acetate 76123-46-1 is not listed on TSCA, but the individual CAS numbers 142-72-3 and 62-54-4 are listed on the TSCA inventory

SARA Section 311/312 Hazard Classes
Name | Hazard Class | Concentration
--- | --- | ---
None | None | None

15.2. International regulations
No additional information available.

15.3. US State regulations
California Proposition 65
WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Methyl alcohol (67-56-1)

| uyarı | U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
--- | --- | --- | --- | --- | --- |
Yes | No | No | No | No |

SECTION 16: Other information

Revision date : 09/28/2015
Other information : Author: ZPT.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 0 - Materials that will not burn.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
NFPA specific hazard : W - Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material. When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.

HMIS III Rating
Health : 1
Flammability : 0
Physical : 0
Personal Protection : 

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.