1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 265-1596
Product Name: Pathmaker
Company Name: Eau Claire Coop Oil Company
P.O. Box 837
Eau Claire, WI 54702

Emergency Contact: Chemtrec (800)424-9300
Information: Product Related (715)876-6422

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2A

GHS Signal Word: Warning
GHS Hazard Phrases: Causes serious eye irritation.
GHS Precaution Phrases: Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.
GHS Storage and Disposal Phrases: No phrases apply.

Potential Health Effects (Acute and Chronic):
Inhalation: May be harmful if inhaled.
Skin Contact: May cause skin irritation. May be harmful if absorbed through the skin.
Eye Contact: Contact with eyes may cause severe irritation, and possible eye burns.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-14-5</td>
<td>Sodium chloride</td>
<td>60 - 85 %</td>
</tr>
<tr>
<td>10043-52-4</td>
<td>Calcium chloride</td>
<td>10 - 20 %</td>
</tr>
<tr>
<td>7791-18-6</td>
<td>Magnesium chloride</td>
<td>5.0 - 10 %</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Emergency and First Aid Procedures: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear. Get medical aid immediately.

In Case of Inhalation: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Get medical aid. Wash clothing before reuse.

In Case of Skin Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

In Case of Eye Contact: Get medical aid if irritation or symptoms occur. Never give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: No data.
Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. May be combustible at high temperatures. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards: No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment. Clean up spills immediately, observing precautions in the Protective Equipment section.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Wash clothing before reuse. Always use cool water when dissolving calcium chloride. Heat evolved is significant.

Precautions To Be Taken in Storing: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas  [ ] Liquid  [X] Solid
Appearance and Odor: Appearance: Blue. Crystals.
Melting Point: No data.
Boiling Point: No data.
Autoignition Pt: No data.
Flash Pt: No data.
Explosive Limits: LEL: No data.  UEL: No data.
Specific Gravity (Water = 1): No data.
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Evaporation Rate: No data.
Solubility in Water: No data.
Percent Volatile: No data.

10. STABILITY AND REACTIVITY

Stability: Unstable [ ]  Stable [X]
Conditions To Avoid - Instability: High temperatures, Incompatible materials, dust generation, Exposure to moist air or water.
Incompatibility - Materials To Avoid: Metals. Strong oxidizing agents, Strong acids, bromine trifluoride, nitrogen compounds, Furan-2-peroxycarboxylic acid. Solutions attack some metals. attacks metals in the presence of moisture.
Possibility of Hazardous Reactions: Will occur [ ]  Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.
11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: The only adverse effect noted from occupational exposures have been mild nasal irritation with exposure to high dust levels and hypertension. Teratogenicity: No information available. Reproductive Effects: No information found. Neurotoxicity: Mutagenic effects have occurred in experimental animals.

Carcinogenicity/Other Information:

CAS# 7647-14-5: Sodium chloride:
Acute toxicity, LD50, Oral, Rat, 3000. MG/KG.
Results:
Skin and Appendages: Skin: After systemic exposure: Dermatitis, other.

Acute toxicity, LD50, Skin, Rabbit, 10000. MG/KG.
Results:
Behavioral: Tetany.
Lungs, Thorax, or Respiration: Dyspnea.
Gastrointestinal: Changes in structure or function of salivary glands.

Acute toxicity, LC50, Inhalation, Rat, 42000. MG/M3, 60 M.
Results:
Skin and Appendages: Skin: After systemic exposure: Dermatitis, other.
Nutritional and Gross Metabolic: Changes in Ca.

CAS# 10043-52-4: Calcium chloride:
Acute toxicity, LD50, Dermal, Rabbit, 5000. MG/KG.
Results:
Behavioral: Changes in psychophysiological tests.

CAS# 7791-18-6: Magnesium chloride:
Acute toxicity, LD50, Oral, Rat, 8100. MG/KG.
Results:
Kidney, Ureter, Bladder: Changes in tubules (including acute renal failure, acute tubular necrosis).
Related to Chronic Data - death.

CAS# 7647-14-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 10043-52-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7791-18-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7786-30-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-14-5</td>
<td>Sodium chloride</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>10043-52-4</td>
<td>Calcium chloride</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>7791-18-6</td>
<td>Magnesium chloride</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available. Physical: No information available. Other: Do not empty into drains.
13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

GHS Classification: Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Other US EPA or State Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-14-5</td>
<td>Sodium chloride</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No</td>
</tr>
<tr>
<td>10043-52-4</td>
<td>Calcium chloride</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No</td>
</tr>
<tr>
<td>7791-18-6</td>
<td>Magnesium chloride</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Revision Date: 12/26/2013
Additional Information About This Product: No data available.

This Safety Data Sheet (SDS) is to be used as a reference to address the safe handling of the product. All statements, technical information and recommendations contained herein are to the best of our knowledge, reliable and accurate. This SDS is not intended to make any representation as to how the product will perform when used as intended. Nothing in this SDS is intended to be a representation or warranty by the manufacturer with regard to accuracy, safety, usefulness, technical information, materials, techniques, or practices. This product is sold "AS IS" and nothing in this SDS should be deemed to be a representation or warranty of any injury, loss, or damage of any kind sustained by, or arise from, the use of this product.