1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MAGNESIUM CHLORIDE FLAKES
Product Use: De-icing, Anti-icing, Dust Control, Industrial

Details of the supplier of the safety data sheet
Supplier: Pestell Nutrition
Address: 141 Hamilton Rd
New Hamburg, Ontario
Canada, N3A 2H1
Phone: 519-662-2877
Email: qa@pestell.com
Emergency telephone number (24 hr)
Canada: CANUTEC 1 613-996-6666
US: CHEMTREC 1 703-527-3887

2. HAZARDS IDENTIFICATION

GHS Classification
Health Not Hazardous
Environment Not Hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride Hexahydrate</td>
<td>7791-18-6</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye
May cause slight eye irritation, immediately wash with water for 15 minutes. Get medical attention if irritation persists.

Skin
May cause skin irritation, wash skin thoroughly with soap and water. Get medical attention if irritation develops or persists.

Ingestion
Low in toxicity. May cause diarrhea and vomiting when large quantities are ingested. Not applicable.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media
Appropriate extinguishing media. This product is not combustible. Choose media depending on surrounding fire. All extinguishing medias are allowed.

Specific Hazards Arising from the Chemical Protective Equipment and Precaution
Expose to temperature above 160 C gives formation of toxic chloride gases
Protective actions and / or special protective equipment depending on surrounding fire.
Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

6. ACCIDENTAL RELEASE MEASURES

Risks and Spills
Small spills can be washed away with water.
For large spills cordon off the spill area, collect and or absorb liquid with an inter absorbent and place in appropriate container for disposal. Flush spill area with water
Report releases as per local, state and federal authorities

Protective Equipment and Exposure Control
See Section 9 for details
## 7. HANDLING AND STORAGE

**Precaution for Safe Handling**

Wear protective equipment and equipment. Avoid contact with eyes, skin and clothing. Avoid breathing mist or aerosols. Wash your skin thoroughly with soap and water after handling, if product comes in contact.

**Safe Storage / Incompatibilities**

Store in cool, dry, well-ventilated area away from incompatible material. Carbon Steel, polyester, polyethylene and polypropylene are suitable material for construction.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Control**

Not established, no special precaution required.

**Respiratory Protection**

For dusty or misty conditions, wear NIOSH approved dust or mist respirator.

**Skin Protection**

Wear rubber gloves, boots and long sleeve shirts.

**Eye Protection**

Wear safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| **Physical State:** | Solid |
| **Appearance | Odor:** | White flake / Translucent, odorless |
| **Odor Threshold:** | Not established |
| **Specific Gravity:** | 800-900 Kg / m³ |
| **pH:** | 8.2 @ 10% aqueous solution |
| **Vapor Pressure:** | Not determined |
| **Solubility in Water:** | 167 g / 100 g |
| **% Volatile:** | Not determined |
| **Vapor Density:** | Not determined |

## 10. STABILITY AND REACTIVITY

**Reactivity / Chemical Stability**

Not reactive. Stable under normal storage and handling conditions. Temperature below or close to product freezing point can give formation of crystals during storage.

**Conditions to Avoid**

Strong oxidizing agents, concentrated acids and some metals.

**Incompatible Material**

Above 160 C product decomposes and emits hydrogen chloride, halogenated compounds and chloride gas.

**Hazardous Decomposition Products**

## 11. TOXICOCLOGICAL INFORMATION

**Ingestion**

Ingestion may cause slight irritation with nausea, vomiting and diarrhea.

**Inhalation**

Inhalation of mist may cause slight irritation of nose, throat and upper respiratory tract.

**Eye**

May cause minor irritation with pain and tearing.

**Skin**

May cause slight irritation on prolonged or repeated contact.

**Carcinogenicity**

None of the component in the product is listed as carcinogen or suspected carcinogen by IARC, NTP or OSHA.

**Reproductive Toxicity**

None.

**Oral (rate) LD 50**

8100 mg / Kg

**Appraisal**

The material is classified as not toxic.

## 12. ECOLOGICAL INFORMATION

**Eco toxicity**

Fathead minnow NOEC: 1.0 g / L

Ceriodaphnia dubia NOEC: 1.00 g / L

Selenastrum growth NOEC: 2.0 g / L

**Persistence and Degradability**

Not applicable.

**Bio accumulative Potential**

No data available.

**Mobility in Soil**

No data available.

**Other Adverse Effects**

None known.
13. DISPOSAL CONSIDERATIONS
Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number</td>
<td>None</td>
</tr>
<tr>
<td>Hazard Class / packing Group</td>
<td>None</td>
</tr>
<tr>
<td>Label Required</td>
<td>None</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

CERCLA
This product is not subjected to CERCLA release reporting. Many States have stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311 / 312)
Not Hazardous

SARA 313
None

EPA TSCA Inventory
All of the ingredients in this product are listed on the EPA TSCA Inventory.

CEPA
All the components of this product are listed on the Canadian DSL

WHMIS Classification
Not classified as dangerous.

16. OTHER INFORMATION

Disclaimer
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: 2
Revision date: June 23, 2021