## 1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>Blue Heat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Calcium Chloride, Sodium Chloride and Magnesium Chloride.</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Melting Snow and Ice</td>
</tr>
</tbody>
</table>
| Company information | Dart Seasonal Products, Inc.  
100 Cedarhurst Ave  
Cedarhurst, NY 11516  
844-ICE MELT customerservice@dartsp.com |
| Emergency telephone number | 516-569-7669 |

## 2. Hazards Identification

| Health hazards | Eye irritation. Cat 2A |
| Physical hazards | Not applicable |
| GHS Label elements | |

### GHS Label elements

- **Signal Word**: Warning
- **Hazard statement**: Harmful if swallowed. Causes eye irritation.
- **Precautionary Statements**: Wear protective clothing and gloves, eye and face gear, and respiratory protection. Wash hands, forearms and other exposed areas thoroughly after handling. If eyes irritate, rinse cautiously with water for several minutes; remove contact lenses.

### Storage

- Keep in dry cool area.

### Disposal

- Not applicable.

### Other hazards

- Not applicable.

## 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substance/Mixture</th>
<th>CAS #</th>
<th>Percent – Proprietary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium chloride</td>
<td>10043-52-4</td>
<td>Percent – Proprietary</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Percent – Proprietary</td>
</tr>
<tr>
<td>Magnesium chloride</td>
<td>7786-30-3</td>
<td>Percent – Proprietary</td>
</tr>
</tbody>
</table>

## 4. First Aid Measures

### Description of first aid measures

| Inhalation          | When symptoms occur, remove victim to fresh air and keep at position most comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| Eye contact         | Rinse cautiously with water for several minutes. Remove contact lenses if possible. Get medical attention if irritation persists. |
Skin接触

冲洗皮肤，用大量水冲洗。移除受污染的衣物和鞋子。清洗衣物和清洁鞋子，彻底洗涤后才可再使用。

吞咽

用水冲洗口腔。除非由医疗人员指示，否则不要催吐。不要给失去知觉的人喂食任何东西。

主要症状/效果，急性和延迟性

吸入

无已知的严重后果或关键危害。

眼睛接触

导致眼睛刺激。可能的不良症状包括刺激、流泪和/或红晕。

皮肤接触

无已知的严重后果或关键危害。

吞咽

无已知的严重后果或关键危害。

需要任何立即的医疗援助和特殊治疗的指示

无特定治疗，但如被接触或担忧，应寻求医疗建议和援助。

5. 消防措施

灭火媒介

合适的灭火媒介

使用适合周边火灾的灭火剂。

不合适的灭火媒介

无已知的。

与化学物质相关的特殊危害

火灾危害

不被认为是易燃的，但可能在高温下燃烧。

爆炸危害

产品无爆炸性。

反应性

当加热到分解时，可能会产生刺激性烟雾。

消防员的特殊防护措施

无特别的预防措施要求。

消防员的特殊防护装备

消防员应穿着适当的防护装备和自给式呼吸器（SCBA），并使用全面罩，在正压模式下操作。

6. 意外泄漏措施

个人防护

避免吸入烟雾或蒸汽。避免接触皮肤或眼睛。

防护装备

使用适当的个人防护装备。疏散不必要的人员。紧急人员应配备适当的个人防护装备，并使通风区域通风。

环境防护

防止进入下水道和公共水域。避免对环境的释放。

清除泄漏的方法

立即清理泄漏。通过吸尘、铲和扫来恢复产品。安全处理废物，并根据需要联系有关当局。

7. 处理和储存
Precautions for safe handling
When heated, may emit irritating fumes. Contact with water causes an exothermic heat reaction which causes a rise in the water temperature. Do not breathe vapors.

Safety measures
Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with soap and water after each use and before eating or drinking.

Safety conditions
Store in a dry, cool and well ventilated place. Keep container closed when not in use. Keep away from extremely high or low temperatures, direct sunlight, ignition source and incompatible materials like strong acids, oxidizers or reactive metals.

8. Exposure Controls/Personal Protection

Control parameters
No Occupational Exposure Limits (OEL’s) have been established for this product or its chemical components.

Exposure controls
Appropriate engineering controls
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national and local regulations are observed. Ensure adequate ventilation.

Personal protective equipment
Protective goggles, protective clothing and gloves.

Materials for protective clothing
Chemically resistant materials and fabric. Corrosion-proof clothing.

Hand protection
Wear chemically resistant protective gloves.

Eye protection
Chemical goggles or face shield.

Skin and body protection
Wear suitable protective clothing.

Respiratory protection
Not required under normal conditions of use.

Other information
When using product, do not eat or drink.

9. Physical And Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>White dry granules</td>
</tr>
<tr>
<td>Odor</td>
<td>Minimal Odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Relative Vapor Density at 20° C | No data available
---|---
Relative Density | No data Available
Specific Gravity | 2.076
Solubility | 317 gpl @ 0°C (32°F)
Partition coefficient: n-octanol/water | No data available
Viscosity | No data available

| 10. Stability And Reactivity |
---|---
Reactivity | When heated to decomposition, emits irritating fumes.
Chemical Stability | Stable under normal conditions.
Possibility of Hazardous Reactions | Hazardous polymerization will not occur.
Conditions to avoid: Direct sunlight | Extremely high or low temperatures. Incompatible materials.

| 11. Toxicological Information |
---|---
Sodium Chloride | LD50 Oral Rat 3 g/kg
 | LC50 Inhalation Rat >42 g/m3 (exposure time: 1 hour)
Calcium Chloride | LD50 Oral Rat 1000 mg/kg
 | LD50 Dermal Rat 2630 mg/kg
Magnesium Chloride | LD50 Oral Rat 1000 mg/kg
 | LD50 Dermal Rat 2630 mg/kg
Skin corrosion/irritation | Not classified
Serious eye damage/irritation | Causes serious eye irritation
Respiratory or skin sensitization | Not classified
Germ cell mutagenicity | Not classified
Carcinogenicity | Not classified
Reproductive toxicity | Not classified
Specific target organ toxicity | Not classified
(Single or repeated exposure) | Not classified
Aspiration hazard | Not classified
Symptoms/Injuries after inhalation | May cause respiratory irritation.
Symptoms/Injuries after skin contact | Skin contact with large amounts of dust may cause irritation.
Symptoms/Injuries after eye contact | Causes eye irritation.
Symptoms/Injuries after ingestion | Ingestion is likely to be harmful or have adverse effects.

| 12. Ecological Information |
---|---|
Sodium Chloride | LC50 Fish 1 Species: Lepomis macrochirus
 | EC50 Daphnia 1 Species: Daphnia magna
 | LC50 Fish 2 Species: Lepomis macrochirus
 | 5560 (5560-6080) mg/l
 | 1000 mg/l
 | 12946 mg/l
 | 96 hours
 | 48 hours
 | 96 hours
<table>
<thead>
<tr>
<th></th>
<th>EC50 Daphnia 2</th>
<th>Species: Daphnia magna</th>
<th>340.7 (340.7 – 469.2) mg/l</th>
<th>48 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride</td>
<td>LC50 Fish 1</td>
<td>Species: Lepomis macrochirus</td>
<td>10650 mg/l</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>EC50 Daphnia 1</td>
<td>Species: Daphnia magna</td>
<td>2400 mg/l</td>
<td>48 hours</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>LC50 Fish 1</td>
<td>Species: Lepomis macrochirus</td>
<td>1970-3880 mg/l</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>EC50 Daphnia 1</td>
<td>Species: Daphnia magna</td>
<td>140 mg/l</td>
<td>48 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No known significant effects or critical hazards.

### 13. Disposal Considerations

Dispose waste material in accordance with all local, regional, national and international regulations.

### 14. Transport Information

Not regulated for travel.

### 15. Regulatory Information

Safety, health and environmental regulations specific for the product

- No known specific regulations applicable to this product.

#### US Federal regulations

- SARA 302/304/311/312 Extremely hazard substance: No
- SARA 302/304/311/312 Hazard chemicals: No
- SARA 311/312 Hazard identification: Sodium chloride

#### Clean air act section 112 hazardous air pollutants (HAPs)

- Not regulated

Other federal regulations

- Safe drinking water act (SDWA): Not regulated
- Food and drug administration (FDA): Not regulated

#### US state regulations

- None

CA Prop 65: No products were found

This product does not contain a chemical known to cause cancer, birth defects or other reproductive harm.

### 16. Other Information

- Issue date: 06/30/2015

- Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. However, the above named supplier or any of its subsidiaries does not assume any liability for accuracy or completeness of the information provided above. The above named supplier and its subsidiaries will not be liable for any losses, injuries or damages which may result from the use of or reliance on any information contained in this document.