

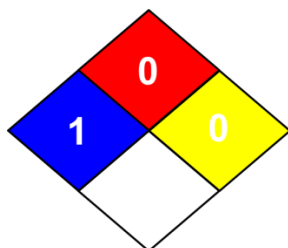
# Safety Data Sheet

Version: 5.0

Preparation Date: December, 2015

Supersedes All Previous Versions

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION



**Product Name:** PROMELT MAGIC MINUS ZERO

**Product Use:** De-icing, Anti-icing

**Manufacturer/Distributor:** Innovative Surface Solutions

78 Orchard Road  
Ajax, Ontario  
L1S 6L1

454 River Road  
Glenmont, NY  
12077

**Telephone:** 1-800-387-5777 1-800-257-5808

**24-Hour Emergency Telephone:** 613-996-6666 1-800-424-9300

**WHMIS Classification:** Not controlled

**Chemical Family:** Inorganic salt solution

## SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification		
Physical	Health	Environment
Not Hazardous	Not Hazardous	Not Hazardous

GHS Label Element

Not Hazardous

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	% by Weight
Magnesium Chloride	7786-30-3	22.4%
Molasses	68476-78-8	20.0%

## SECTION 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.

**Inhalation** Not applicable.

## SECTION 5: FIRE FIGHTING 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.

## **SECTION 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

## **SECTION 7: HANDLING & 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.

## **SECTION 8: EXPOSURE CONTROL / 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.

## **SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

### **Physical State:**

Liquid

### **Appearance | Odor:**

Brown liquid | Pleasant odor

### **Odor Threshold:**

Not established

### **Specific Gravity:**

1.302g/mL

### **pH:**

3.0 to 5.0

### **Vapor Pressure:**

Not determined

### **Solubility in Water:**

Completely

### **% Volatile:**

Not determined

### **Vapor Density:**

Not determined

## **SECTION 10: STABILITY & REACTIVITY**

### **Reactivity / Chemical Stability**

Not reactive. Stable under normal storage and handling conditions.

### **Conditions to Avoid**

Temperature below or close to product freezing point can give formation of crystals during storage.

### **Incompatible Material**

Strong oxidizing agents, concentrated acids and some metals.

### **Hazardous Decomposition Products**

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

## **SECTION 11: TOXICOLOGICAL 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.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Eco toxicity</b>	Fathead minnow NOEC: 1.0 g / L Ceriodaphnia dubia NOEC: 1.00 g / L Selenastrum growth NOEC: 2.0 g / L
<b>Persistence and Degradability</b>	Not applicable.
<b>Bio accumulative Potential</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other Adverse Effects</b>	None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and federal environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

<b>Proper Shipping Name</b>	Not regulated
<b>UN Number</b>	None
<b>Hazard Class / packing Group</b>	None
<b>Label Required</b>	None

**SECTION 15: REGULATORY INFORMATION**

<b>CERCLA</b>	This product is not subjected to CERCLA release reporting. Many States have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
<b>SARA Hazard Category (311 / 312)</b>	Not Hazardous
<b>SARA 313</b>	None
<b>EPA TSCA Inventory</b>	All of the ingredients in this product are listed on the EPA TSCA Inventory.
<b>CEPA</b>	All the components of this product are listed on the Canadian DSL
<b>WHMIS Classification</b>	Not classified as dangerous.

**SECTION 16: PREPARATION INFORMATION**

<b>Prepared By:</b>	Innovative Surface Solutions
<b>Telephone:</b>	905-427-0318
<b>Preparation Date:</b>	December, 2015
<b>Superseded Date:</b>	ALL PREVIOUS VERSIONS