

**Safe Melt™****SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Safe Melt™  
**Product Code(s):** SAFEMELT  
**Other means of Identification:**  
**Recommended Use:** Ice melting/De-icing – snow and ice control

<b>Manufacturer/Marketer:</b> P.F. Harris Manufacturing Company, LLC P.O. Box 1922 Cartersville, GA 30120 Email: <a href="mailto:info@pfharris.com">info@pfharris.com</a> <a href="http://www.pfharris.com">www.pfharris.com</a>	<b>Customer Service:</b> 1-800-637-0317 Monday-Friday, 9am – 5pm EST  <b>Emergency:</b> National Poison Control: 1-800-222-1222 24 hour Emergency Telephone: 1-800-255-3924
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**SECTION 2. HAZARDS IDENTIFICATION****OSHA Regulatory Status:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**HAZARDS CLASSIFICATION:**

Skin Corrosion/Irritation – Category 3  
Eye damage/irritation – Category 2B  
STOT – Single exposure – Category 3

**SIGNAL WORD:** WARNING

**GHS HAZARD PICTOGRAMS:**



**Hazard Statements:** Causes eye irritation. Causes mild skin irritation. May cause respiratory irritation.

**Precautionary Statements:** Wash hands thoroughly after handling. Wear protective gloves and eye protection. Take off contaminated clothing and wash before reuse. Avoid breathing dusts.

**Acute/Potential Health Effects:**

**EYES:** Contact causes eye irritation. Dusts may cause mechanical irritation, tearing, and blurred vision.

**SKIN:** Causes mild skin irritation.

**INHALATION:** Overexposure by inhalation of dusts may cause irritation to upper respiratory tract and mucous membranes.

**INGESTION:** May be irritating to the digestive tract: may cause gastric distress.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name	CAS Number	WT %
Magnesium Chloride Hexahydrate (pelletized)	7791-18-6	100

### SECTION 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** Rinse skin with plenty of water. If irritation develops get medical attention.

**INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**INGESTION:** Immediately rinse mouth and drink plenty of water. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

### SECTION 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SPECIFIC HAZARDS:** Thermal decomposition may generate magnesium oxide, hydrogen chloride and chlorine gas.

**SPECIAL PROTECTIVE EQUIPMENT:** Safety glasses, gloves

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain spillages. Sweep or vacuum up and collect in suitable containers for recovery or disposal.

### SECTION 7. HANDLING AND STORAGE

**HANDLING:** Use this product only in a manner consistent with its labeling. Avoid contact with eyes and skin. Avoid generation of dusts. Wash thoroughly after handling.

**STORAGE:** Store only in original container, in a dry place inaccessible to children and pets. Emptied containers may retain product residues. Protect from humidity and water.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Magnesium Chloride Hexahydrate	7791-18-6		15 (total dust)		10		

**Eye Protection:** Recommended: Safety glasses or goggles.

**Skin Protection:** Recommended: Wear protective (plastic or rubber) gloves and protective clothing.

**Respiratory Protection:** No special protection required. Adequate ventilation if dust is present.

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Pellets

**Appearance and Odor:** White free flowing, odorless

**pH:** 9-10

**Freezing Point:** N/A

**Melting/Freezing Point:**

117°C

**Flash Point:** N/A

**Flammability:** Not

Flammable

**Upper/Lower Explosive limits:** N/A

**Vapor Density (air=1) (20°C):** 1.57

**Specific Gravity (Water=1):** N/A

**Solubility:** soluble in water

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Conditions to Avoid:** Avoid dust generation.

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Incompatible Materials:** Acids, Alkalis and (certain metals in the presence of moisture)

## SECTION 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

Magnesium Chloride Hexahydrate	7791-18-6	LD50 (oral, rat): 8,100 mg/kg
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**Eye contact:** Contact causes eye irritation. Dusts may cause mechanical irritation, tearing, and blurred vision.

**Skin contact:** Contact may cause skin irritation.

**Sensitization:** Non-sensitizer

**Inhalation:** Dust particulates may cause mechanical irritation to upper respiratory tract and mucous membranes. Existing medical conditions (e.g. Asthma, bronchitis) may be aggravated by overexposure to dusts.

**Ingestion:** May be harmful if swallowed in large quantities.

**Carcinogenicity:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

## SECTION 12. ECOLOGICAL INFORMATION

**Environmental Effects:** No known adverse effect on the environment.

**Environmental Fate Data; Persistence/Degradation:** Readily degradable

**Soil Mobility:** No further relevant information available

## SECTION 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**RCRA Waste code(s):** Not applicable

## SECTION 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not classified	Not classified
UN Proper Shipping Name	-	-	-	-
Transport Hazard Class	-	-	-	-
Packing Group	-	-	-	-
Environmental Hazards	-	-	-	-
Additional Information	-	-	-	-

## SECTION 15. REGULATORY INFORMATION

### US Federal Regulations:

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** The ingredients of this product are listed or exempted from listing because of Low Volume Exemption has been granted in accordance with 40 CFR 723.50

**SARA 302/304 EMERGENCY PLANNING EMERGENCY PLAN:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

**SARA 311/312:** Acute Health:  Chronic:  Fire:  Sudden Release of Pressure:  Reactive:

**SARA 313 (Specific Toxic chemical listings):** None

**State and Local Regulations:** Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this SDS, states listed below may have regulations on ingredients contained in this product. Check with your state for additional regulations.

**CA Proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986):** This product does not contain any Proposition 65 chemicals.

## SECTION 16. OTHER INFORMATION

**Date of issue/revision:** 09/30/2019

**Version:** 1.0

**Date of previous issue:** None

**Notice to reader:** This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handles or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractor and customers who will use this product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.