

**SECTION 1: IDENTIFICATION****1.1. Product Identifier**

Product Form: Homogenous Mixture

Product Name: Icinator

Synonyms: Icinator Ice Melting Compound Contains a Combination of Sodium Chloride, Calcium Chloride, and Magnesium chloride.

**1.2. Intended Use of the Product Melting Ice & Snow****1.3. Details of the supplier of the safety data sheet:****Supplier:**

**North Element Inc.**

**Office: (519) 627-0661**

**55 Garnet Street**

**Toll Free: (844) 865-7575**

**Wallaceburg, ON**

**Fax: (519) 627-0661**

**N8A 4L8**

**1.4. EMERGENCY TELEPHONE NUMBER: 506-357-1240 ext 350****SECTION 2: HAZARDS IDENTIFICATIONS****2.1. Classification of the substance or mixture****Classification**

Eye Irrit. 2A      H319

GHS Labeling

Hazard Pictograms:



- Acute toxicity – Oral, Dermal, Inhalation (Category 4)
- Skin corrosion/irritation – Skin irritation (Category 2)
- Serious eye damage/eye irritation – Eye irritation (Category 2 and 2A)
- Respiratory or skin sensitization – Skin sensitizer (Category 1, 1A and 1B)
- Specific target organ toxicity – Single exposure (Category 3)

**2.3. Other Hazards Other Hazards:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits irritating fumes. Corrosive to metals upon prolonged contact. Contact with water causes an exothermic heat reaction, which may cause significant temperature rise.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product Identifier	%	Classification
Sodium chloride	(CAS No) 7647-14-5	97.0 – 99.0%	Not classified
Magnesium chloride	(CAS No) 7647-14-5	.01 – 2.0%	Not classified
Organic Accelerant		5%	

### SECTION 4 : FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

**First-aid Measures General:** If you feel unwell, seek medical advice.

**First-aid Measures After Inhalation:** Remove to fresh air if effects occur. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Wash off in flowing water or shower. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

**First-aid Measures After Eye Contact:** Rinse continuously with water for several minutes. Seek medical attention if irritation develops or persists.

**First-aid Measures After Ingestion:** If swallowed and the person is conscious, immediately give substantial amounts of water. Get medical attention immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed Symptoms/Injuries:

Causes eye irritation.

**Symptoms After Inhalation:** May cause respiratory irritation.

**Symptoms After Skin Contact:** Skin contact with substantial amounts of dust may cause mechanical irritation.

**Symptoms After Eye Contact:** Causes eye irritation.

**Symptoms After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

section 5: fire-fighting measures

### 5.1. Extinguishing Media Suitable

**Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at elevated temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** When heated to decomposition, emits irritating fumes.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

section 6: accidental release measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid breathing (dust, fumes). Avoid all contact with skin, eyes, or clothing.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Contact competent authorities after a spill.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for Safe Handling**

**Additional Hazards When Processed:** When heated to decomposition, emits irritating fumes.

Contact with water causes an exothermic heat reaction, which may cause significant temperature rise.

**Precautions for Safe Handling:** Do not breathe vapors.

**7.2. Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**7.3. Specific End Use(s)** Melting Ice & Snow**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control Parameters**

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

**8.2. 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/local regulations are observed. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:** Protective goggles, clothing and gloves



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or face shield.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1. Information on Basic Physical and Chemical Properties</b>	
<b>Physical State</b>	Solid
<b>Appearance</b>	White granules/pellets
<b>Odor</b>	Minimal Odor
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Melting Point</b>	-20°C
<b>Freezing Point</b>	No data available
<b>Boiling Point</b>	106°C
<b>Flash Point</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapor Pressure</b>	14mm Hg @ 20C
<b>Relative Vapor Density at 20 °C</b>	No data available
<b>Relative Density</b>	No data available
<b>Bulk Density</b>	1009
<b>Solubility</b>	26% @ 20°C
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity</b>	No data available

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:** When heated to decomposition, emits irritating fumes.

**10.2 Chemical Stability:** Stable under normal conditions.

**10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on Toxicological Effects**

Acute Toxicity: Not classified

Sodium Chloride	
LD50 Oral Rat	4gm/kg

Magnesium Chloride	
LD50 Oral Rat	3gm/kg

**Skin Corrosion/Irritation:** Not Classified

**Eye Damage/Irritation:** Can cause serious eye irritation

**Respiratory or skin Sensitization:** Not classified

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Skin contact with substantial amounts of dust may cause irritation.

**Symptoms/Injuries After Eye Contact:** Causes eye irritation.

**SECTION 12: DISPOSAL CONSIDERATIONS****12.1. Waste treatment methods**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**SECTION 13: ADDITIONAL INFORMATION**

This product has a WHMIS classification of D2B

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