

Green Earth 85% Less Corrosive

Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)
Monday, April 9, 2018

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Homogenous Mixture

Product Name: Green Earth 85% Less Corrosive

Synonyms: Green Earth 85% Less Corrosive 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)

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Monday, April 9, 2018

2.3. 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	90.0 – 97.0%	Not classified
Magnesium chloride	(CAS No) 7647-14-5	.0 1– 2.0%	Not classified
Calcium chloride, Organic Rust Inhibitor	(CAS No) 7786-30-3	5.0 – 10.0%	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319

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.

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Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)
Monday, April 9, 2018

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.

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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.

Green Earth 85% Less Corrosive

Safety Data Sheet According to Regulation (EC) No 1907/2006 (REACH)
Monday, April 9, 2018

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or face shield.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties	State	Solid
Physical State		
Appearance		White granules/pellets
Odor		Minimal Odor
Odor Threshold		No data available
pH		No data available
Evaporation rate		No data available
Melting Point		-30°C
Freezing Point		No data available
Boiling Point		106°C
Flash Point		No data available
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Flammability (solid, gas)		No data available
Vapor Pressure		14mm Hg @ 20C
Relative Vapor Density		No data available
Density at 20 °C		
Relative Density		No data available
Bulk Density		1009
Solubility		26% @ 20°C
Partition coefficient: n-octanol/water		No data available
Viscosity		No data available

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Monday, April 9, 2018

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.

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SECTION 13: ADDITIONAL INFORMATION

This product has a WHMIS classification of D2B

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