

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Sodium Chloride with liquid magnesium chloride and mazoferm condensed corn extract		[WHMIS Classification] C.A. S. No. 7647-14-5, 66071-94-1,	
Product Use winter deicing product			
Manufacturer's Name Bare Ground Systems		Supplier's Name Apalachee Marine, Innovative Municipal and Corn Processors	
Street Address 2 Sterling Road		Street Address 2557 Van Vranken Ave.	
City Billierica	Province MA	City Schenectady	Province NY
Postal Code 01862	Emergency Telephone 888-800-8356	Postal Code 12308	Emergency Telephone
Date MSDS Prepared May 2009	MSDS Prepared By Ed Brookmyer	Phone Number 978-439-9860	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Magnesium chloride	4.5	7791-18-6	N/A	N/A
Mazoferm corn extract	.5	66071-94-1	N/A	N/A
Sodium Chloride	95	7647-14-5	N/A	N/A

Route of Entry Skin Contact Skin Absorption Eye Contact Inhalation

[Emergency Overview]				
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SECTION 3 — HAZARDS IDENTIFICATION

[Non Hazardous Chemicals
WHMIS Symbols] None Apply
Potential Health Effects Ingestion of large amounts greater than .1 pound may cause gastrointestinal upset
Dust may cause irritation to skin and/or eyes, nose and throat

SECTION 4 — FIRST AID MEASURES

Skin Contact Wash hands and affected areas
Eye Contact Rinse eyes thoroughly with water
Inhalation Avoid direct inhalation of salt dust
Ingestion Drink water to flush system

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD **57M6** (6/99)

Please continue on reverse

side



SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction N/A		
Flashpoint (° C) and Method N/A	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature (°C)	Explosion Data — Sensitivity to Impact	Explosion Data — Sensitivity to Static Discharge
Hazardous Combustion Products None		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Shovel up dry material into an empty container. Flush residue with water down local sewer drain

SECTION 7 — HANDLING AND STORAGE

<p>Handling Procedures and Equipment</p> <p>In extremely dusty areas, chemical safety goggles should be used.</p> <p>Wear long sleeved shirts and trousers for routine product handling. Gloves are optional</p>
<p>Storage Requirements</p> <p>Store in a cool dry area. No special precautions or labeling are required</p>

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

<p>Exposure Limits</p> <p><input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (<i>specify</i>)</p>
<p>Specific Engineering Controls (<i>such as ventilation, enclosed process</i>)</p> <p>N/A</p>
<p>Personal Protective Equipment <input type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other</p>
<p>If checked, please specify type</p> <p>N/a</p>

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Brownish crystalline solid	Odour and Appearance Slightly sweet odor	Odour Threshold (ppm)
Specific Gravity 2.16	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) 2.4mm at 746.9C
Evaporation Rate N/A	Boiling Point (° C) 1465C	Freezing Point (° C) -40F
pH 6.5-9.5	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] 26.395 Max at 60F

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?
Reactivity, and under what conditions?	
Hazardous Decomposition Products	
None	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
None	
Effects of chronic exposure	
None	
Irritancy of Product Irritant to skin and eyes	
Skin sensitization avoid prolonged contact without gloves	Respiratory sensitization Avoid inhalation of dust
Carcinogenicity-IARC None	Carcinogenicity - ACGIH None
Reproductive toxicity None	Teratogenicity N/A
Embrototoxicity N/A	Mutagenicity N/A
Name of synergistic products/effects N/a	

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]

Product is inorganic and may persist in the environment

SECTION 13 — DISPOSAL CONSIDERATIONS

Flush to sewer if permitted by applicable disposal regulations

Special Shipping Information

None

PIN

TDG

[DOT]

[IMO]

[ICAO]

Waste Disposal

SECTION 14 — TRANSPORT INFORMATION

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] N/A

[OSHA]
N/A

[SERA]

[TSCA]

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION

Not a hazardous waster 40CFR 261