

PRODUCT DATA SHEET

GEOMELT® 55 Liquid Organic Accelerator

GEOMELT® 55 Liquid Organic Accelerator is a natural agricultural product that features snow and ice control performance superior to traditional brines, but is less corrosive. **GEOMELT® 55** is derived from renewable resources providing a sustainable and environmentally sensitive alternative. **GEOMELT® 55** will reduce salt application rates by 30% and substantially reduce operating costs.

Typical Properties

Appearance	Brown	Wt. / Liter	1.270 kg / liter
Dry Solids	55%	Freeze Point	-30°F (-34.4°C)
Specific Gravity	1.275	pH	6.0 – 9.0
Wt. / Gal.	10.6 pounds/gal	Water Solubility	Complete

Applications

GEOMELT® 55 is highly effective salt or salt / sand stockpile treatment, prewet, anti-icing, deicing, salt stock pile preservation treatment and bulk material freeze proofing. The suggested usage levels should be considered as starting points and should be adjusted based on field operator experience, current local conditions and weather expectations.

Salt or Salt / Sand Stockpile Treatment



Apply at 5-6 gals/ton (21-25 liters / metric ton)
Reduce application rate 30%
Freeze point -30°F (-34.4°C)
Reduce Operating Cost
Reduce bounce and scatter loss

Pre-wet

PDSgeo55



Apply at 55% solids no need to dilute with Brines
Prevents freezing, crusting – salt free flowing
Truck and Employee can cover 30% more area
Reduced corrosion
Reduce equipment replacement cost

Apply 6–10 gals / ton (21–42 liters / metric ton)**
Apply at spinner or auger
Blend **GEOMELT® 55** with Na/Mg/Ca brines
Reduce application rate 30%



Anti – icing



Blend **GEOMELT® 55** with Na/Mg/Ca brines
 Reduced application rates up to 30% depending on blend and blend ratio used
 Reduce application rate for frost protection - bridges
 Residual will last 4-6 days
 Apply before storm event to prevent bonding
 Prevents snow & ice bonding – removal easier
 Truck and employee can cover 30% more area
 Increase manpower & equipment efficiency
 Reduced corrosion

Deicing



Blend **GEOMELT® 55** with Na/Mg/Ca brines
 Allow product to penetrate – breaking bond to road
 Burns through hardpack to break bond with road
 Breaking bond makes removal easier

Salt Stock Pile Preservation Treatment --Bulk Material Freeze Proofing



Apply at 5-6 gals/ton (21-25 liters/metric ton)**
 Apply at 55% solids no need to dilute with brines
 Prevents freezing, crusting – salt free flowing
 Prevents hardening over summer
 Will not waste rock salt due to hardening
 Freeze proof bulk materials, sand, aggregates
 Prevents freeze up coal truck or rail shipments
 Prevents coal conveyor freeze buildup
 Non-chloride, environmentally acceptable
 Reduced corrosion

** Apply at recommended **GEOMELT®** blend ratios directly related to environmental conditions

GEOMELT® 55 is produced under U.S. Patent #6,080,330; additional Patents Pending.

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