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PNS Qualified Product

GEOMELT[®] 55 Liquid Organic Accelerator

Product Data Sheet

GEOMELT[®] 55 Liquid Organic Accelerator is a natural agricultural product that features snow and ice control performance superior to traditional brines, but 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	Freeze Point	-40°F (-40°C)
Dry Solids	55%	pH	6.0 – 8.5
Specific Gravity	1.275	Water Solubility	Complete
Wt. / Gal.	10.5 pounds/gal		

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 4-5 gals/ton (15-19 liters / metric ton)
 Reduce application rate 30%
 Freeze point -40°F (-40°C)
 Reduce Operating Cost
 Reduce bounce and scatter loss
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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

Prewet



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%
Freeze point -40°F (-40°C)
Reduce bounce and scatter loss

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

Reduce Operating Cost
Truck and Employee can cover 30% more area
Reduced corrosion
Reduce equipment replacement cost
Increase Manpower & Equipment efficiency
Can use gravity flow application equipment

Anti – icing



Blend GEOMELT[®] 55 with Na/Mg/Ca brines
Apply at 20-30 gals / Ln mile(47-71 ltrs / kilometer)**
Reduced application rates 30% compared to Na Brine
Reduce application rate for Frost protection - bridges
Residual will last 4-6 days

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

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
Apply at 50-60 gals / Ln mile(190-225 ltrs / kilometer)**

Allow product to penetrate – breaking bond to road
Burns through hardpack to break bond with road
Breaking bond makes removal easier

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

Salt Stock Pile Preservation Treatment Bulk Material Freeze Proofing



Apply at 4-5 gals/ton (15-19 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
Can top coat salt with spray at 0.5 gal/yd²
Apply top coat spray with two applications
Non – Chloride, environmentally acceptable
Reduced corrosion

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

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GEOMELT[®]USA Approved 04/24/14

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