



GEOMELT[®] 55 Liquid Organic Accelerator

Product Data Sheet

GEOMELT[®] 55 is a liquid, agricultural product which is used with salt or brine to create superior snow and ice control performance as well as significantly reduce corrosiveness. GEOMELT[®] 55 is derived from patented de-sugared beet juice⁽¹⁾ and will reduce salt application rates by 30% and substantially reduce operating costs. **PNS-Qualified Product**

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.

Used as a Salt or Salt-Sand Stockpile Treatment



- *Apply at 4-5 gals/ton (15-19 liters / metric ton)
- *Reduces application rate 30%
- *Lowers freeze point -40°F (-40°C)
- *Reduces operating costs
- *Reduces bounce and scatter loss

- *Prevents freezing, crusting; keeps salt free-flowing
- *Salt Trucks can cover 30% more area
- *Reduces corrosion
- *Reduces equipment replacement cost

Used as a Prewet



- *Blend GEOMELT® 55 with Na/Mg/Ca brines
- *Apply at 6–10 gals / ton (21–42 liters / metric ton)**:
- *Apply at spinner or auger
- *Reduces application rate by 30%
- *Lowers freeze point -40°F (-40°C)
- *Reduces bounce and scatter loss

- *Reduces operating cost
- *Salt Trucks can cover 30% more area
- *Reduces corrosion
- *Reduces equipment replacement cost
- *Increases manpower/equipment efficiency
- *Can utilize gravity-flow application equipment

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

Used as Anti-Icing



- *Blend GEOMELT® 55 with Na/Mg/Ca brines
- *Apply at 20-30 gals / Ln mile(47-71 ltrs / kilometer)**
- *Reduces application rates 30% compared to brine
- *Reduces application rate for frost protection -
- *Residual will last 4-6 days

- *Apply before storm event to prevent Bonding
- *Prevents snow & ice bonding – removal easier
- *Salt Trucks can cover 30% more area
- *Increases manpower/equipment efficiency
- *Reduces corrosion

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

Use for Deicing



*Blend GEOMELT[®] 55 with Na/Mg/Ca brines

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

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

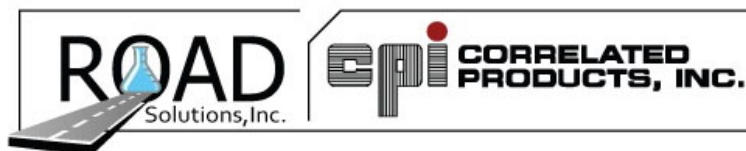
*Allow product to penetrate – breaking bond to road

*Burns through hardpack to break bond with road

*Breaks bond, makes removal easier

Salt Stock Pile Preservation Treatment Bulk Material Freeze Proofing

(1) Not to be confused with regular beet juice which is not patented. De-sugared beet juice will work to a lower temperature, it will adhere longer to roads, and will not decrease the co-efficient of friction as temperatures rise.



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