



**Waverly Industries**

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## Product Data Sheet

### BIOMELT® SUPREME Anti-icing/Deicing Fluid

BIOMELT® SUPREME Anti-icing/Deicing fluid is a Bioengineered agricultural product derived from renewable resources that features snow and ice control performance superior to traditional brines, but less corrosive. BIOMELT® SUPREME will reduce application rates by 30 – 50% compared to typical acetate and chloride deicers and substantially reduce operating costs while providing a sustainable and environmentally sensitive alternative.

#### Typical Properties

|                         |                  |                         |               |
|-------------------------|------------------|-------------------------|---------------|
| <b>Appearance</b>       | Green semi clear | <b>Freeze Point</b>     | -40°F (-40°C) |
| <b>Dry Solids</b>       | 60%              | <b>pH</b>               | 6.0 – 8.5     |
| <b>Specific Gravity</b> | ~1.18            | <b>Water Solubility</b> | Complete      |
| <b>Wt. / Gal.</b>       | ~9.8 lbs/gal     |                         |               |

#### Applications

BIOMELT® SUPREME is engineered to be blended with sodium chloride brine for prewet, anti-icing, deicing applications. Optimum blended formulation is 30% BIOMELT® SUPREME plus 70% sodium chloride brine. No special blending equipment necessary. The suggested application usage levels should be considered as starting points and should be adjusted based on field operator experience, current local conditions and weather expectations.

#### Prewet



Apply 4–10 gals / ton (15 –38 liters / metric ton)\*\*  
 Totally compatible when mixed with brines  
 Apply at spinner or auger  
 Reduce bounce and scatter loss

Truck and Employee can cover 30% more area  
 Increase Manpower & Equipment efficiency  
 Reduce application rate 30%  
 Reduce equipment replacement cost  
 Reduce Operating Cost

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

## Anti – icing



Apply before storm event to prevent Bonding  
Apply at 30-35 gals / Ln mile (113-132 ltrs / kilometer)\*\*  
Residual will last 4-6 days  
Reduced corrosion – contains no chlorides

Reduced application rates 30%  
Truck and Employee can cover 30% more area  
Commercial sidewalks 1-2 fluid oz per square yard  
Reduce equipment replacement cost

\*\* Apply at recommended BIOMELT® blend ratios directly related to environmental conditions.

## Deicing



Allow product to penetrate – breaking bond to road  
Apply at 60-70 gals / Ln mile (227-264 ltrs / kilometer)\*\*  
Reduce application rate 50% compared to typical KAC

Burns through hardpack to break bond with road  
Totally compatible when mixed with brines  
Commercial sidewalks 3-4 fluid oz per square yard

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

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