

# ***INFERNALMELT R***

## ***High performance Winter Liquid***

***"Road Ready Organic Polymer Liquid for Pre-Wetting, Anti-Icing, & De-Icing"***

### **DESCRIPTION & USES**

**InfernalMelt R** is the ultimate ready to use winter liquid. Formulated with a blend of 2 Organic Polymer ingredients that are sustainably biorefined. Biorefining is the optimal strategy for large-scale sustainable use of biomass in the economy. **InfernalMelt R** has a low freeze point of **-40°F**, with performance down to the lowest temperature levels where other brines or supermix style blends are making ice. It is more biologically stable than many other organics. The organic



components of **InfernalMelt R** are responsible for two important aspects of the product; 1.) Due to the high levels of sugars in the product we get significant corrosion inhibition. 2.) The sugars, along with the long molecular chains of the polymers give it a tenacious bond to the pavement. This residual effect equates to the product remaining on the pavement longer which ultimately means less is needed for the same level of service.

### **APPLICATION GUIDELINES**

Liquids are your most valuable tool to reducing the amount of road salt used while still increasing public safety on the roads. However liquids are not meant to completely replace all dry melters. Liquids are most effective when either used before an event or to pre-wet dry products. They can be used for de-icing also but there are practical limits as to how much snow & ice liquids you can melt after an event. See the section on de-icing for more information.

**Pre-wetting** – Application rate is 5-25 gallons / ton of material used at the spinner, in the auger or onto loader bucket when loading truck. Industry experts say **“The wetter the better”** when describing liquid pre-wetting!

- Melting starts fast. If applied to salt it acts as a liquid accelerator.
- Proven 20% - 50% reduction in salt use due to less bounce & scatter and greater material effectiveness.
- Lower corrosion rate than plain rock salt or brines.

**Anti-icing** – Application rate for anti-icing is 20-30 gallons / lane mile. For frost prevention use half that.

- Prevents bonding of snow and ice to pavement
- Prevents “black ice”.
- Quick and easy application using spray rig with solid stream nozzles.

**De-icing** – Application rate is 40 gallons per lane mile.

- When used as a liquid deicer **InfernalMelt R** quickly melts through ice and thin amounts of dry packed snow using straight stream nozzles where it will spread and break the bond between ice & snow and the pavement allowing plows to remove it more easily.



## PHYSICAL PROPERTIES

*Appearance/Odor:* Dark brown liquid with mild pleasant odor    *Weight:* 10.3 – 10.8 lbs / gal    *pH:* 6.0 – 9.0  
*Specific Gravity:* 1.27 – 1.296    *Freeze Point:* -40°F (-39°C)

“**Caution** – **InfernalMelt R** is a road ready product not a blending concentrate nor is it intended for stockpiles.”

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