INFERNALMELT

InfernalMelt Organic -40

Road Ready Organic Polymer Liquid for Pre-wetting, Anti-icing & De-icing!

DESCRIPTION & USES

InfernalMelt Organic -40 is our standard **InfernalMelt** liquid plus organic additives to provide a residual effect to the product. It has been referred to as *"Liquid Fire!"* Adding the organic additives helps the salt stay on the pavement longer which means less subsequent application of ice melters. **InfernalMelt Organic -40** is inexpensive and specially blended for cost conscious municipalities & snow removal contractors. It was formulated much hotter than products municipalities typically use. It has an extra low freeze point of **-40°F** and can be used for pre-wetting rock salt, de-icing and anti-icing procedures.

InfernalMelt Organic -40 is composed primarily of Calcium, Sodium & Potassium Chlorides along with the two agriculturally derived organic polymer additives. It is artfully blended for maximum melting performance but because the blend of chlorides is balanced there is not an excessive amount of any one component. **InfernalMelt Organic -40** also inhibits corrosion due to the sugar & carb laden organic ingredients in it as well as an added corrosion inhibitor. A reduction in corrosion of 50-60% is expected.

APPLICATION GUIDELINES

Liquids are your most valuable tool for lower salt usage & safer pavements. However, liquids are not meant to totally replace dry products. Liquids are most effective when applied to rock salt (pre-wetting) or applied to the pavement before an event (anti-icing). They can be applied to existing snow & ice (de-icing) but there are practical limits as to how much snow & ice liquids can melt <u>after</u> an event. (See section on de-icing*). Because the product has a residual effect it can be applied further in advance of a storm.

<u>Pre-wetting</u> – Application rate is 8 -25 gallons per ton of rock salt at the auger / spinner or onto a loader bucket when loading salt truck. Experts say**"The wetter the better!"**

- ► 25%-50% reduction in salt due to reduced bounce & scatter and the organics' residual effect.
- ► Melting begins immediately - no waiting for salt to make its own brine.
- ► Lower salt consumption from pre-wetting saves money & lowers environmental impact of salt.

Anti-icing – Application rate for anti-icing is 20-30 gallons per lane mile (1/2 to 3/4 gallons per 1000 square feet). For frost prevention use half that. Use solid stream nozzles for roads and fan spray nozzles for parking lots due to less spreading action due to vehicle tires in lots and slower speeds. Apply as soon as practicable before an event or once the event begins.

► Prevents bonding of snow & ice to pavement speeding up removal operations which saves $.
► Can be applied up to 2 days before an event due to the organic additives' residual effect.
► Superior to dry salt for premium service to customers to reduce slip & fall accidents & liability.
► Prevents "black Ice".

De-icing – Application rate is 40 gallons per lane mile (1 gallon per 1000 square feet). Rate can be adjusted based on accumulation. Use solid stream nozzles set at higher pressure to help increase penetration down to the pavement to undermine snow & ice.

► **InfernalMelt Organic -40** begins melting ice & snow immediately upon application.
► **InfernalMelt Organic -40** melts through up to ½" of dry packed snow down to the pavement when using straight stream nozzles where it will spread and break the bond between the ice & snow and the road allowing plows to remove it easily saving time and money.

TYPICAL PROPERTIES

Appearance…………Brown liquid
Specific Gravity…….1.19 -1.31
Weight/gl……………10.2 -10.8
pH………………….....6.5 -7.5
Freezing Point………-40°F (-40°C)

This product was formerly named "InfernalMelt Organic" but is now available in -20°F & -40°F formulations since the -40°F version can be considered overkill in milder winter weather.

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