

INFERNALMELT

InfernaMelt Organic -20

"AFFORDABLE AND SUPERIOR ALTERNATIVE TO HOT BRINE"

DESCRIPTION & USES

InfernaMelt Organic -20 is our standard **InfernaMelt** liquid plus environmentally friendly organic additives to give a residual effect to the product. It has been referred to as "*Liquid Fire!*" Adding the organic polymer helps the salt stay on the pavement making it last longer which means less subsequent application of ice melters. **InfernaMelt Organic -20** is inexpensive and specially blended for cost conscious municipalities & snow removal contractors. It was formulated significantly hotter than products municipalities typically use. It has a low freeze point of **-20°F** and can be used for Pre-wetting rock salt, Anti-icing & De-icing.

InfernaMelt Organic -20 is composed primarily of Calcium, Sodium & Potassium Chlorides along with two agriculturally derived organic polymer additives & a proprietary freeze point depressant. It is artfully blended for maximum melting performance. **InfernaMelt Organic -20** also inhibits corrosion due to the sugar and carbs in the organic component 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 after an event. (See section on de-icing*). Because the product has a residual effect it can be applied further in advance of a storm.

Pre-wetting – Application rate is 6 -25 gallons per ton of rock salt at the auger / spinner or onto loader bucket when loading 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 3 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 -20** begins melting ice & snow immediately upon application.
- ▶ **InfernalMelt Organic -20** melts through up to 1/2" 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.....-20°F (-29°C)

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