

INFERNALMELT

InfernaMelt NC

Give your customers “Zero Tolerance” pavements and reduce slip & fall lawsuits with our line of HOT LIQUIDS!

DESCRIPTION & USES

InfernaMelt NC is a non chloride ice melting liquid. It is 100% bio-degradable and earth friendly. It has an extra low freeze point of **-32°F** and can be used for de-icing, anti-icing and pre-wetting rock salt. It melts more snow and ice than conventional chloride based liquids and brines at temperatures below 15°F. It is a perfect choice for environmentally sensitive areas or areas where corrosion may be a concern.

InfernaMelt NC is composed primarily of a proprietary liquid with no suspended solids that might clog sprayer heads. It is artfully blended for maximum melting performance. Because it is a non chloride product it is non corrosive being slightly less corrosive than tap water. It also is biologically stable unlike some organics on the market. It has a low BOD and toxicity to fish, mammals and vegetation. What this equates to is less incidental damage to landscaping and the environment.

APPLICATION GUIDELINES

Liquids are your most valuable tool to get a “running water” parking lot. However, liquids are not meant to totally replace dry products. Liquids are most effective when applied to the pavement before an event (anti-icing) or applied to rock salt (pre-wetting). 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 than straight chlorides or salt brines since it lasts longer.

Pre-wetting – Application rate is 6 -12 gallons per ton of rock salt at the auger / spinner or onto loader bucket when loading truck.

- ▶ 15% - 35% reduction in salt use due to reduced “bounce & scatter” and residual effect of the organic.
- ▶ Melting begins immediately - no waiting for salt to make its own brine.
- ▶ Lower salt consumption from pre-wetting is better for plantings & the environment in general.

Anti-icing – Application rate for anti-icing is $\frac{3}{4}$ - 1 gallon per 1000 square feet (30-40 gallons per lane mile). 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. Apply as soon as practicable before an event or once the event begins.

- ▶ Prevents bonding of snow and ice to pavement which speeds up removal operations which saves \$.
- ▶ Can be applied up to 2 days before an event due to the residual effect.
- ▶ Superior to dry salt for premium service to customers to reduce slip-and-fall accidents & liability.
- ▶ Prevents “black ice”.
- ▶ Starts working earlier & lasts longer than dry products.

De-icing – Application rate starts at 1 gallon per 1000 square feet (40 gallons per lane mile). 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.

- ▶ Clear product won't track in stores and offices.
- ▶ Melting begins immediately upon application.
- ▶ **InfernalMelt NC** melts through up to 1/4” 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

Freezing Point.....-32°F (-30°C)

Appearance.....Clear liquid with mild odor

Specific Gravity.....1.15 – 1.18

Weight/gl.....10.0 – 10.15# / gallon

pH.....6.5 – 9.5

BOD: 0.27 kg Oxygen/ kg fluid

COD: 0.38 kg Oxygen/kg fluid

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