

INFERNALMELT

CryoMelt NC

CryoMelt NC helps you meet your chloride reduction goals cost effectively

DESCRIPTION & USES

CryoMelt NC is a non-chloride liquid used primarily for anti-icing operations. **CryoMelt NC** was developed to provide an affordable alternative to higher priced materials such as potassium acetate and other more expensive products. It is 100% bio-degradable and earth friendly. It has a low freeze point of **-20°F** and can be used for anti-icing, pre-wetting materials and de-icing. It is a perfect choice for environmentally sensitive areas or where corrosion may be a concern. What this equates to is less damage to the environment.

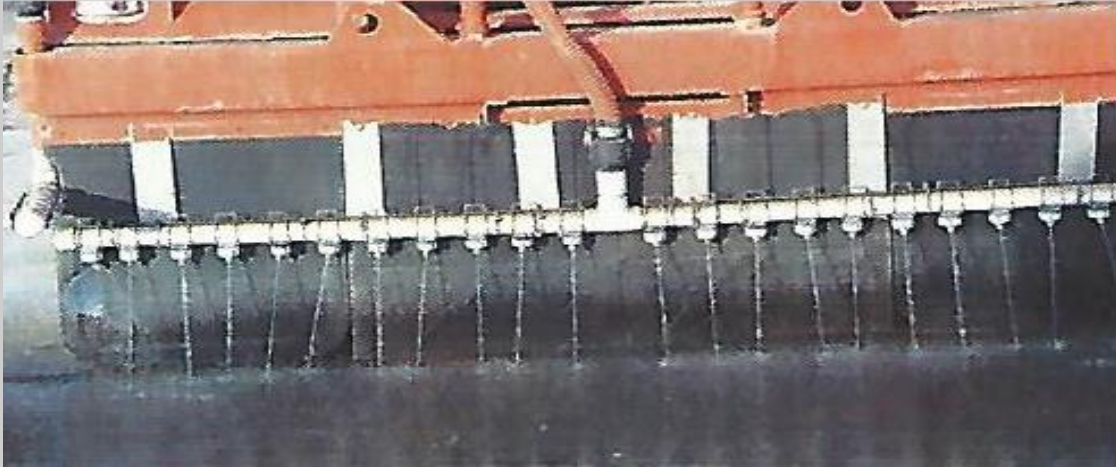
CryoMelt NC is composed of a blend of proprietary Bio-Polymer & Organic liquids with no suspended solids that might clog sprayer heads. It is artfully blended for maximum melting performance. Because it is a non chloride product it is non corrosive. It also is biologically stable. It won't go bad nor will it have sediment settling out in your tank.

APPLICATION GUIDELINES

Liquids are your most valuable tool to reduce chloride runoff into the environment. 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 & other materials (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 tenacious residual effect it can be applied in advance of a storm.

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. You can use fan spray nozzles for parking lots because less spreading action is necessary due to vehicle tires helping spread the product in the 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 the day 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.



Pre-wetting – Application rate is 6 -17 gallons per ton of rock salt or other material at the auger / spinner or onto loader bucket when loading truck.

- ▶ 15% - 50% 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.

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.

- ▶ Melting begins immediately upon application.
- ▶ **CryoMelt 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.....-20°F (-28°C)
Specific Gravity.....1.17 – 1.24
pH.....6.5 – 9.05

Appearance.....Light Brown liquid with mild odor
Weight/gl.....9.1 – 10.23

Product requires regular agitation in tank

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