

Better Roads with Salt Brine Enhancer Products

The near ubiquitous use of salt brine comes with high reported rates of corrosion on road surfaces, bridge decks and application equipment. Salt brine is a low cost product with eutectic temperatures near -6 degrees F and operating temperature ranges acceptable, only where truly cold climates fail to materialize.

Salt brine often dries-out and blows off the road surface, creating an environmental and health hazard. These enhancers help create tacky conditions to help prevent evaporation and loss normally associated with lower quality salt brine products. This also helps ensure greater residual performance.

These conditions require the use of a high quality salt brine enhancer (such as Ice B'Gone II or IBG Enhance) to help bridge this performance gap. IBG Enhance is a unique sugar-based, high carbohydrate liquid concentrate derived from molasses. IBG Enhance is added in concentrations of 30% or 50% to simple salt brine to depress freeze points and help protect from the effects of corrosion. IBG Enhance can also be used very effectively in full concentrate. But are all enhancers created equal?

ICE B'GONE ENHANCE

There is a great deal of misinformation in our industry where manufacturers associate the sugars included in their enhancer equally with low temperature effectiveness and melting capacity. Enhancers alone are incapable

RoadWatch

Keeping you up to speed when nature strikes

 Winter 2011

...continued

of melting action. Indeed, it is the premium magnesium and calcium chlorides as well as simple salt brines that are responsible for all melting action.

Any sugars present, are included to help make sure the hydrogen molecules in water have little chance of creating

cally natural fish, animal and plant life. Chemically, high phosphorus content is an indicator that a given material may be prone to exhibiting high BOD numbers and hence harmful. IBG Enhance exhibits not only industry leading performance, but state-of-the-art environmental pedigree with ultra LOW phosphorus levels.

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hard ice crystals and solid bonds with the paved surface by way of Direct Liquid Application or Anti-icing (DLA). Preventing these bonds from forming (Anti-Icing) is what helps ensure more efficient plowing operations.

In addition to the obvious need for performance in the field is a vital need to help protect our environment.

The greatest indicator of a product's environmental safety is its ability to break down in aquatic bodies. The "bio-oxygen demand" (BOD) of any organic material is the numeric measurement of the amount of the oxygen withdrawn and nitrogen created in the process of biodegrading the contaminant. Lower BOD numbers indicate lesser tolls taken on the lakes, rivers and streams and hence are more favorable, supporting the lo-

All salt brine enhancers provide a necessary function helping to make driving surfaces safe. Your best bet is to investigate the science and all claims fully, demanding documentation and then try them all to make the choice that's right for you.

We are confident that IBG Enhance will shine as your best choice and we'll be there when you need us; "Ready When Nature Strikes. Guaranteed."

Call 1.800.257.5808 and let us help you find the perfect blend.



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Inc dba Innovative Surface Solutions

READY WHEN NATURE STRIKES. GUARANTEED.

Testimonials

- David Kinney of the City of Niagara Falls, NY sends in this note regarding the use of bulk Magic Salt. "We feel the largest benefit of using the pre-treated magic (brown) salt product is that it does not allow ice or snow to freeze and cake on road surfaces forming deep ruts. We are using less salt because it stays on roads and continues to work for days after application. The salts adhesiveness causes the loss of salt to the side of the road to be minimal and there is significantly less bouncing of the salt caused by the wind blowing it.
- Scott B. Hillman of the Town of Porter, NY was introduced to Magic Salt in 1997 and in 2005 switched to Caliber M1000 and continues to reap the benefits of using a treated salt which include lower application rates, wider temperature usage, better visual referencing during spreader operations, longer periods between reapplication, lubrication of machinery limited spreader issues and no salt clumping issues.
- Jason Cloutier, VAOT District 8, was so happy with the benefits of implementing the Nitrous 1-2-3 strategies within their operations that they now have 23 Nitrous III systems running vs 3 the year before. During one storm event this past winter, the pavement temperature at the start of the storm was 10 F (at temps above 15F planned to use 100 lbs/lane mile). All Nitrous trucks were on the road before the storm and started applying at a rate of 150lb to 200lb/single lane mile and approximately 50 to 60 gallons per ton. The one application kept the roads mealy from 7:30 am to 12:30 pm when the storm slowed (3 to 5 inches

in total). They only re-applied in intersections, hills and cold spots. At the end of the storm, they hit all the roads and the clean-up was instant. And, he concludes that their savings were huge.

- The State of Maryland has upheld their commitment to green procurement with the purchase of Ice B'Gone for a 2nd year in a row.
- New 48M gallon Glenmont Terminal with the most up-to-date loading system in the industry opens its doors and becomes fully operational November 1, 2010.



Recognized for Safer Chemistry
www.epa.gov/dfe

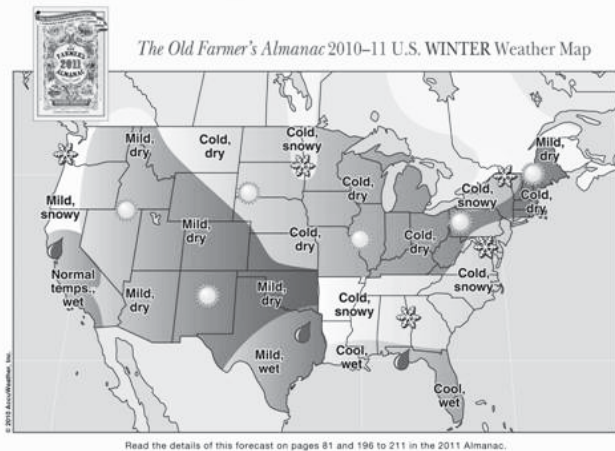


Glenmont Terminal

Did You Know

Innovative has launched a new website. Check us out at www.innovativecompany.com.

Be Prepared This Winter



Cold & Snowy is the forecast for our distribution base. Keep a close eye on what's brewing in your area by signing up to a daily forecast with your local weather network. Link to theweathernetwork.com or accuweather.com.



Nitrous 1-2-3

Nitrous 1-2-3 is a process that involves the addition of liquid to solid based products to increase ice melting performance. The results produce safer road conditions at lower costs with less sand and salt usage.



For More Info Call
1-800-257-5808

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