



ICE BAN[®]



Environmentally Friendly
Winter & Summer
Road Maintenance Products
508 • 541 • 3121

ICE BAN[®] De-Icing and Anti-Icing Products Win CERF Global Innovative Applications Award

NORTH PALM BEACH, Fla.—(BUSINESS WIRE)—Nov. 16, 1998—George Janke, President of IBAC Corporation (OTC BB:ICAN) announced today that the Company has been awarded the prestigious Charles W. Pankow Innovative Applications Award for 1998 from the Civil Engineering Research Foundation (CERF).

The award was received at the Global Innovative Forum and Awards Dinner held in Washington D.C. on November 10, 1998. The award is presented each year after considering and evaluating new technological innovations. CERF selected, as winner of the Innovative Applications Award, the ICE BAN products and technology from more than 200 applications submitted.

This award is a significant international honor and confirms the Company's policy of independent based testing of its products. Such testing by independent testing laboratories has proven the ICE BAN products and technology are effective, non-toxic, act as a corrosion inhibitor and environmentally friendly. Roadway testing and use in winter snow and ice conditions have proven the superiority of and cost effectiveness of the product over the chemicals currently used for snow and ice control.

Named as collaborators who contributed to the product development were Dr. Jeno Toth, Archer Daniels Midland, Better Roads Magazine, Andy Mergenmeier of the Federal Highway Administration, Minnesota Corn Processors, New York Department of Environmental Conservancy, Barry Dean of the Town of Webster NY, Ed Morgan of the Town of Murray, NY, Roger Wolfe of the Town of Yates, NY and the Washington State Department of Transportation. The company sincerely appreciates the assistance and support of those collaborators and the many others that worked so hard to bring the ICE BAN innovation to a commercial reality.

IBAC Corporation's Canadian subsidiary, ICE BAN Ameri-Can Ltd., is the exclusive Canadian licensee of ICE BAN products.

A Comparison of De-Icing Materials

| | Liquid ICE BAN[®] C50 | Liquid Mag Chloride | Liquid Calcium Chloride | Granular Sodium Chloride |
|------------------------------|--|--|---|---------------------------------------|
| Eutectic Temperature* | -35°F | -27°F | -51°F | -6°F |
| Eutectic Composition* | 40% | 21.6% | 29.8% | 23.3% |
| Lowest Effective Temperature | -5°F | -10°F | -20°F | 18°F |
| Corrosion on Ferrous Metals | Negligible Less Corrosive than Water | High | High | High |
| Corrosion on Aluminum | Negligible | High even when blended with ag byproducts | Low | Low |
| Stockpile Retention | Excellent | Poor | Poor | N/A |
| Residual on Road | Excellent | Fair | Fair | Fair |
| Anti-Icing | Excellent | Good | Good | N/A |
| Percentage of Chlorides | Low | Medium | High | High |
| Moisture Absorption | Somewhat Hygroscopic | Very Hygroscopic | Very Hygroscopic | Pure Salt does not absorb moisture |
| Surface Effects | Light Brown Color, Medium to Fast Drying when RH & Pavement Temp Application Guidelines are Observed | Clear Color, Medium Drying, No Staining, Can Leave Slippery Film | Clear Color, Medium Drying, Can Leave Greasy Film | Dries Completely Leaving White Powder |

***NOTE:**
Eutectic temperature/
composition is the
temperature and
concentration at
which the material
freezes completely.

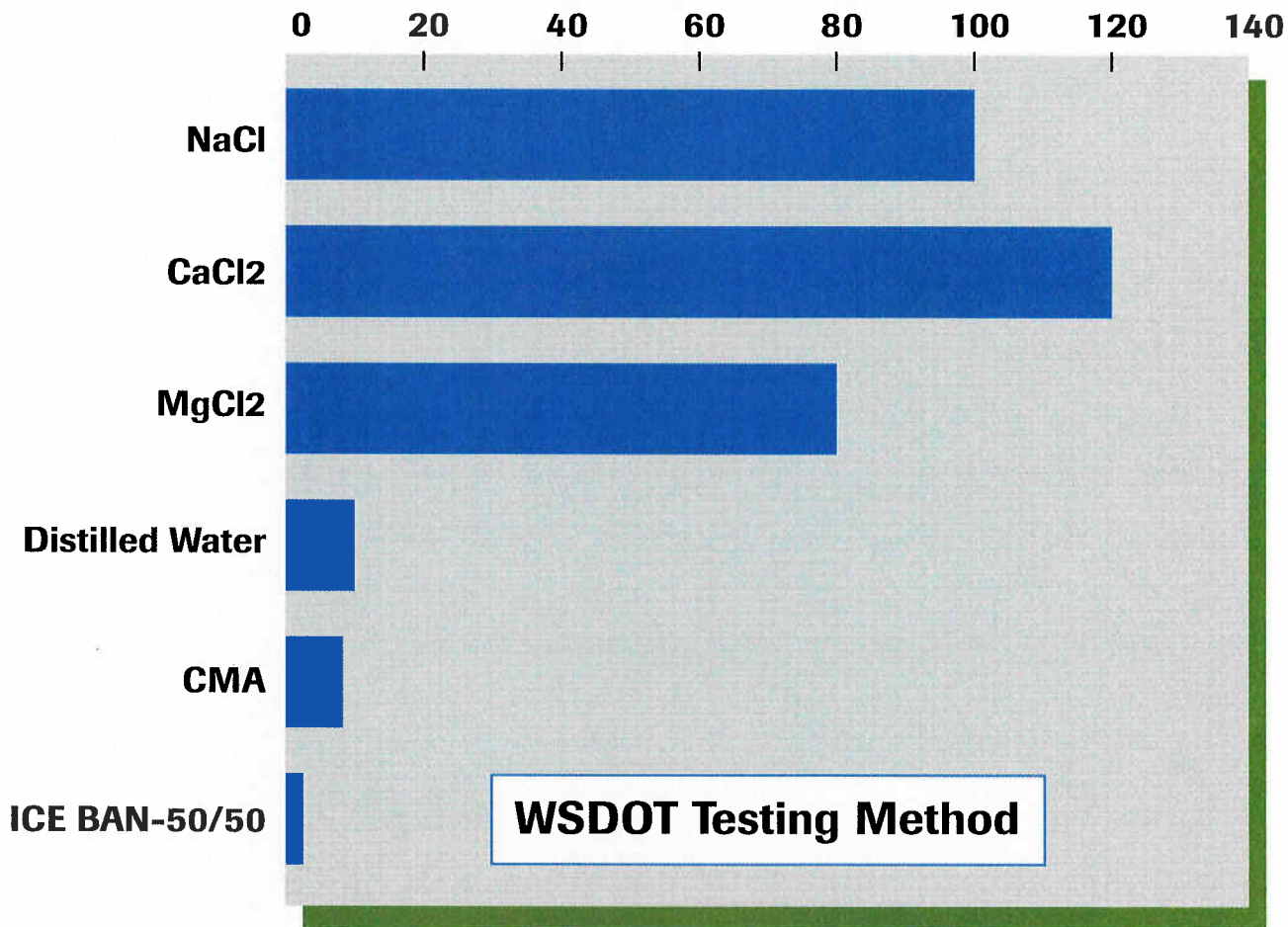
ICE BAN[®]



**ICE BAN
50/50**

Corrosion Comparison

% Corrosion vs NaCl



Environmentally Friendly
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Less filling, melts great: Area towns' liquid salt hits road with beer grain

By BRIDGET SCRIMENTI

SUN STAFF

Westford - It smells like molasses and is something you might never expect to find on the roadway - beer. Well, a beer byproduct that is.

Westford Highway Superintendant Chip Barrett has been using the road de-icer Ice Ban®, a mixture of hops - a grain used to make beer - and liquid salt for the past seven years.



Westford Highway Superintendent Chip Barrett with handfuls of salt that has been treated with Ice Ban, in his right hand, and run-of-the-mill rock salt in his left.

SUN/JON HILL

Barrett raves about the product because it's environmentally friendly and is less corrosive to vehicles.

"It's another tool in the tool box," said Barrett. "It's more manageable and the right thing to do for the environment."

The purpose of Ice Ban is to enhance the performance of rock salt, by allowing the salt to stick to the ground in freezing temperatures. Regular rock salt used on the road, typically stops working when the temperature drops below 20 degrees.

Barrett said Ice Ban has reduced Westford's salt consumption by a third. Its "molasses-type" texture can be mixed with salt or directly sprayed on the roads.

The beer byproducts used to make Ice Ban come from Anheuser-Busch plant in Merrimack, N.H. Minnesota-based Commodity Specialists, then purchases the beer byproducts and sells it to manufacturers.

Lowell native Kevin Barrett, no relation to Chip Barrett, is the president of Safe Road Services, a distributor company for Ice Ban, based out of Franklin.

According to Kevin Barrett, the concept for Ice Ban, was originally discovered in Hungary. A Hungarian vodka distillery discharged its byproducts out a pipe, into a neighboring pond. The pond never froze because of the vodka byproducts.

Kevin Barrett has sold Ice Ban to other towns in Greater Lowell including, Dracut, Pepperell and Chelmsford.

In Dracut, Public Works Director Mike Buxton said he only uses Ice Ban when the temperature drops below 20 degrees. Buxton said the product is "effective" and the town used about 8,000 gallons of Ice Ban last year. Chip Barrett used 20,000 gallons in Westford.

The sticky product's use might help melt away heavy use of rock salt, even though there is a Merrimack Valley alliance on reaching far to toss their salt on the road.

According to Chip Barrett, the rock salt is imported from India, Ireland, Mexico and Australia. Barrett said he usually purchases 3,000 to 4,000 tons of salt annually at about \$40 a ton.

Dracut and other Greater Lowell communities including, Westford, Chelmsford, Lowell, Tyngsboro, Bedford and Tewksbury purchase their rock salt as a consortium to get lower prices.

Buxton said he used about 6,000 tons of salt last year and hopes this winter isn't as harsh. "Last year was terrible," said Buxton.

"I would have thrown the kitchen sink out on the road if it would have melted the ice and snow."