

# ***ALL ICE MELTING LIQUIDS ARE NOT THE SAME.***

**To know how to evaluate them, you have to know the product composition.**

## **What is the strength or concentration of the brine?**

For example, Mag chloride is available in 22%, 26% and 30% strengths or concentrations. The greater the beginning concentration, the better the performance.

## **Does it have a corrosion inhibitor?**

When evaluating agricultural byproduct blends know the percentage of the agricultural component. Most byproduct blends on the market today contain 20% or less of an agricultural additive. High percentage agricultural byproduct blends like SAFE MELT (30% agricultural/70% calcium chloride) outperform low percentage blends or straight magnesium or calcium chloride brines per the independent HITEC/ CERF Report #40410 of September 1999. Actual field performance results over the past 22 years have confirmed the HITEC findings.

## **Why do high percentage agricultural byproduct blends outperform mag or calcium chloride brines?**

High percentage agricultural byproduct blends substantially increase corrosion inhibition, residual effect on the road and adherence to salt or salt/sand mixtures both in the stockpile and at the spinner. Increased adherence means less granular material needed to get the job done.

The corrosion number for SAFE MELT 30/70 is 5. The Pacific Northwest Snowfighters (PNS) requirement is 30 or less.

We use calcium chloride in our blend primarily because it has the lowest effective working temperature (-20 °F) of all the chloride brines

Ask your supplier for a current laboratory certified detailed product analysis, SDS and a sample of the product to be delivered.

**Please contact Kevin Barrett at Safe Road Services with any questions.**



*Environmentally Friendly  
Winter & Summer Road Maintenance Products*

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