



## A CRITICAL TOOL FOR SAFE, EFFECTIVE WINTER ROAD MAINTENANCE

FreezGard® Liquid Magnesium Chloride from North American Salt Company is one of the highest quality most economical anti-icing products on the market. Thanks to its superior melting capability and advanced corrosion inhibitors, FreezGuard is trusted by transportation departments across the country.

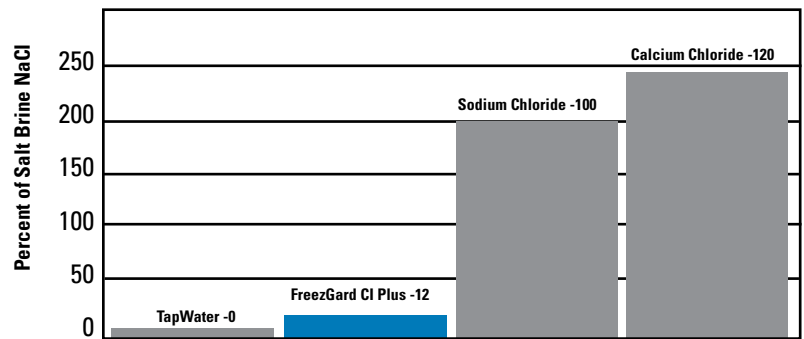
### FREEZGARD CI PLUS MAGNESIUM CHLORIDE WITH CORROSION INHIBITORS

- Reduces the effects of corrosion on equipment and rebar by over 85% from regular sodium chloride.
- Meets Pacific Northwest Snowfighters {PNS} specifications for corrosion, metals, nitrogen, BOD, COD, biological toxicity and pavement frictional analysis.
- Decreases damage to surfaces on aerated concrete.

### SUPERIOR ANTI-ICING AND DEICING PERFORMANCE

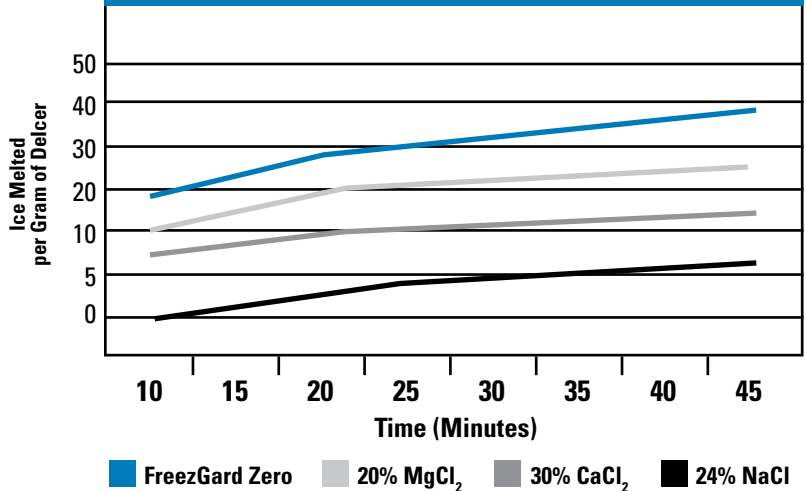
- Used before a snow event, FreezGard prevents the snow/ice bond to surfaces.
- An effective anti-icing program can save up to 30% on your total de-icing budget.
- As a pre-wetting agent, it activates road salt for faster melting and extends its melting temperatures.
- Works down to 0° F and will remain a liquid when stored, even at these extreme conditions.

#### Typical Corrosion Rates on Mild Steel



Based on PCS Certification and In-House Testing

#### Ice Melting Capacity of Liquids at 25° F





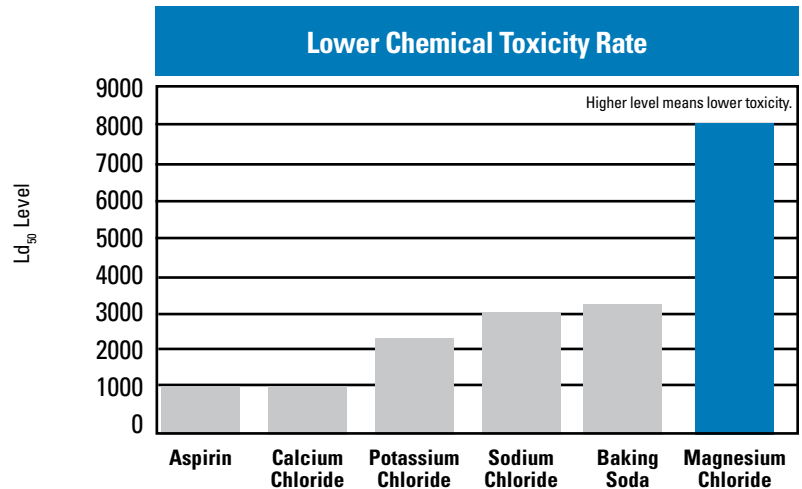
## COMBAT THE EFFECTS OF WINTER STORMS

# ENVIRONMENTALLY FRIENDLY

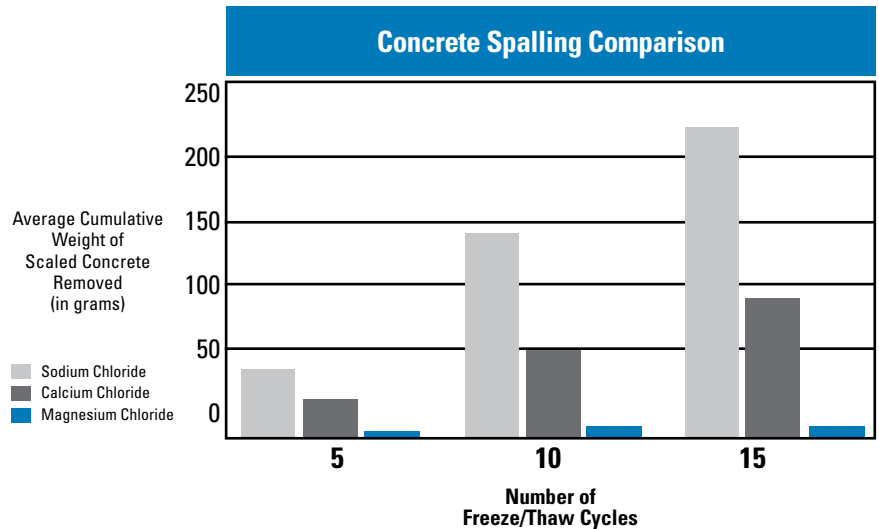
- Made from 100% natural minerals and has minimum environmental impact when applied properly.
- Reduces the need for sand and gravel which reduces spring cleanup and impact on lakes and streams. US Dept of Health confirms that magnesium chlorides is safer than baking soda. -See chart
- Works down to 0° F and will remain a liquid when stored, even at these extreme conditions.
- University studies show magnesium chloride products are easier on turf grass than all other ice melters when applied in equal amounts.

# SAFE FOR ROADS AND INFRASTRUCTURE

- Causes less cracking, scaling and spalling of concrete surfaces as proven by Strategic Highway Research Program (SHRP) studies.
- Safe for use on aerated concrete.
- Purdue University demonstrated that  $MgCl_2$  is less damaging to concrete than  $CaCl_2$ .



SOURCE: Data from the U.S. Department of Health & Human Services. Toxicity is measured by a chemical's LD50 (Lethal Dose 50%) level. The higher the LD50 level, the lower the toxicity.



SOURCE: Data from Strategic Highway Research Programs "Handbook of Test Methods for Evaluating Chemical De-Icers."



For more information about making your operation more efficient with FreezGard®, contact us at 800-693-3334 or visit us at [compassminerals.com](http://compassminerals.com).