

# Make Fast Work of Road Maintenance

To combat the snow and ice season, smart road-maintenance professionals think fast by prewetting rock salt and abrasives with LIQUIDOW™ Calcium Chloride to enhance the ice-melting process. Prewetted granular materials are proven to outperform their dry counterparts, speeding up the maintenance process and reducing the amount of granular materials used.

The low freezing point and 32% calcium chloride concentration of LIQUIDOW™ combine to boost the granular materials' effectiveness, achieving more efficient chemical usage. With LIQUIDOW™, road crews can melt snow and ice faster, and reduce road-maintenance costs.



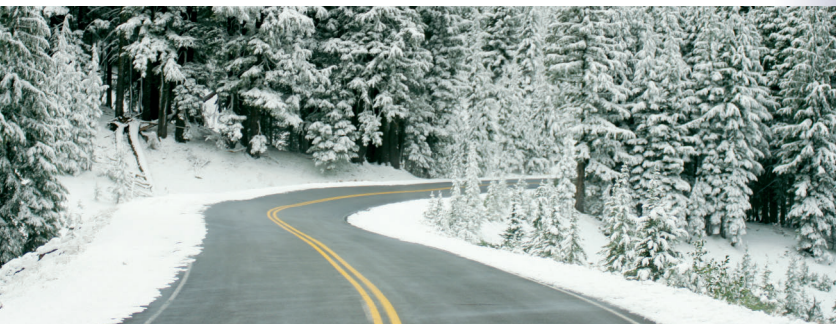
## Special Agent at Work

When rock salt is prewetted with LIQUIDOW™ Calcium Chloride, it provides:

- Fast ice-melting action
- Improved low-temperature performance
- Fewer losses from bounce and scatter
- High-quality road-maintenance service
- Overall reduced ice-melting cost

Prewetting abrasives, such as sand and cinders, with LIQUIDOW™ results in:

- Better imbedding of the material in packed snow and ice
- Improved traction
- Fewer losses from bounce and scatter



# Reinders

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## In Liquid Form

LIQUIDOW™ Calcium Chloride is an amazing liquid purified from a naturally occurring underground brine.

## Road Tested and Approved

Recent independent studies support the effectiveness of using liquid calcium chloride to prewet rock salt.

Results of a study conducted in Ontario showed that prewetted rock salt outperformed dry salt in most test cases, reducing snow cover up to 40%. This research also showed that as a prewetting agent calcium chloride was “much more effective than magnesium chloride brine.” Calcium chloride outperformed up to 71% in terms of reduction of average snow cover. Calcium chloride brine was also more effective than salt brine.<sup>1</sup>

In another study, the time required for road friction to increase to the traction level of wet pavement was measured after applications of both dry and prewetted rock salt. Dry rock salt was ineffective at 14°F (-10°C), but wet-pavement friction was recovered at this temperature with prewetted mixtures.<sup>2</sup>

<sup>1</sup>Data collected by the Ontario Ministry of Transportation. Findings presented by Liping Fu, Rudolph Sooklall and Max S. Perchanok at the 2006 Transportation Research Board meeting. Reported in “Winter Strategies for 2006-2007,” Ruth W. Stidger, *Better Roads* magazine, June 2006

<sup>2</sup>Laboratory Melting Performance Comparison; Rock Salt With and Without Prewetting, Sixth International Symposium on Snow Removal and Ice Control Technology, June 7-9, 2004, Spokane, WA

## An Extensive Value Package

With 32% calcium chloride concentration, LIQUIDOW™ is clearly a high-value agent for prewetting applications. As an added-value package, our customers rely on our consistent quality and supply, quick response, and leading technical service and support.

Contact a LIQUIDOW™ distributor today to see how this prewetting agent can get more value out of your rock salt and abrasives.

## Quality Is Standard

LIQUIDOW™ Calcium Chloride meets or exceeds ASTM D98 and AASHTO M144 standard specifications for calcium chloride purity.

**LIQUIDOW™**  
Calcium Chloride

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