LIQUIDOW™ Liquid Calcium Chloride

The High-Value Prewetting Agent for Rock Salt and Abrasives

DOW®

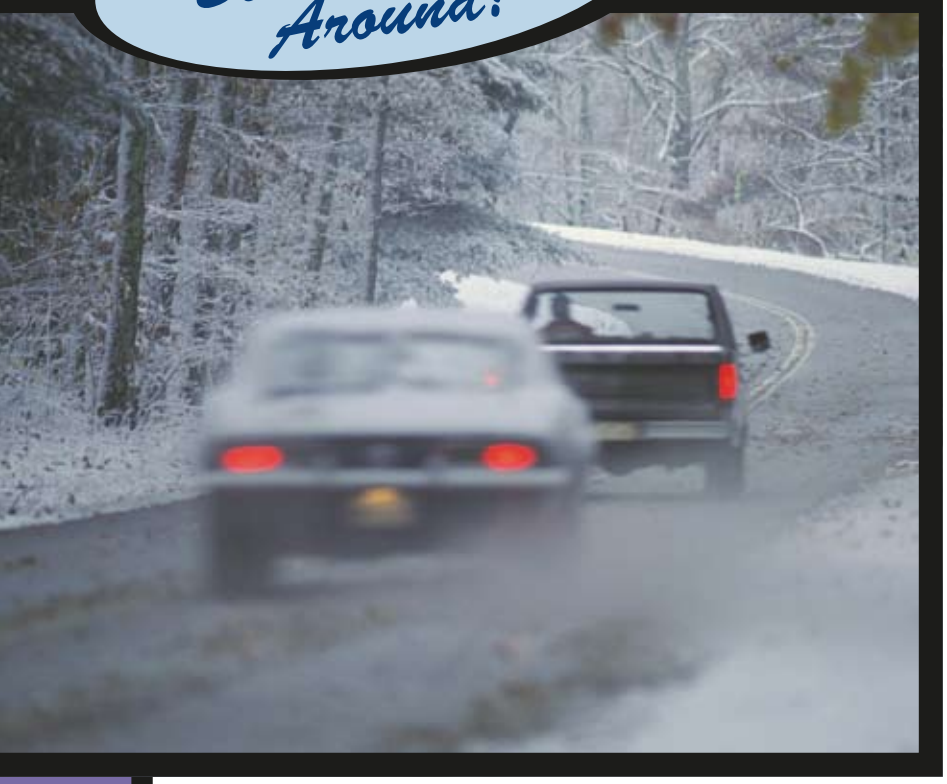
100 Years of Calcium Chloride
DOW
TRUSTED SINCE 1907

Trusted Since 1907

Make Faster Work of Winter Road Maintenance

Make roads covered with snow and ice more passable and safer by prewetting rock salt or abrasives with LIQUIDOW™ Liquid Calcium Chloride. Dozens of experienced, respected government agencies have confirmed that prewetted granular materials outperform their dry counterparts by enhancing and speeding up the maintenance of winter roads, and significantly reducing the resources required to carry out the ice-melting process.

LIQUIDOW calcium chloride's low freezing point and strong concentration combine to make a good thing better, boosting the effectiveness—and the cost effectiveness—of treating roads with granular materials.



▲ Make roads covered with snow and ice more passable and safer.

A Potent Mix

When you prewet rock salt or abrasives with LIQUIDOW™ Liquid Calcium Chloride, you get:

- Faster ice-melting action.
- Improved low-temperature performance.
- Improved traction.
- Better imbedding of the material into packed snow and ice.
- Fewer material losses from bounce and scatter.
- Higher-quality road-maintenance service.
- Lower overall ice-melting cost.

For all of your prewetting applications, LIQUIDOW calcium chloride gives you added value in the form of faster road-maintenance service, more-efficient chemical usage, and reduced costs.

"[prewetted salt] *outperformed dry salt* *in most test cases...*"

Proven Performance!

Proven Performance

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

In one scientific study, prewetted salt "outperformed dry salt in most test cases, reducing snow cover from 17.9 to 40%." The research also showed that liquid calcium chloride was "much more effective than magnesium chloride brine," outperforming it "by 9.5 to 71.4% in terms of reduction of average snow cover," and that liquid calcium chloride was "more effective than salt brine." [1]

In another study, the time required for road friction to increase to the traction level of wet pavement—which provides better traction than icy pavement—was measured after applications of both dry and prewetted rock salt. Dry rock salt was ineffective at 14°F, but wet-pavement friction was recovered at this temperature with prewetted mixtures.[2]

Clear the Road to Value

LIQUIDOW™ Liquid Calcium Chloride meets or exceeds ASTM D 98 and AASHTO M144 requirements for calcium chloride purity. Its strong concentration—32 percent—gives strong value for your prewetting applications.

When you work with Dow, you also get the additional value our customers have come to expect for more than a century: reliable supply, consistent quality, quick response and leading technical service and support.

So contact a LIQUIDOW calcium chloride distributor today, and discover more about the high-value rock salt and abrasives prewetting agent that makes a good thing better.

"much more effective than magnesium chloride brine..."

1 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.
2 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

DOW ANSWER CENTER

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www.dowcalciumchloride.com

The Dow Chemical Company is the world's largest and most trusted manufacturer of calcium chloride products for use in a wide variety of applications.

Visit **www.dowcalciumchloride.com** for more information and for access to the Dow Answer Center. The Answer Center offers a comprehensive, searchable online knowledge base with answers to frequently asked questions and an "Ask an Expert" feature for your more specialized inquiries.

To find an authorized distributor near you or for more information about LIQUIDOW™ Liquid Calcium Chloride, please call our Customer Information Group:

United States or Canada, **(800) 447-4369**

Other locations worldwide, U.S.A. **(989) 832-1466**

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