



## Calcium Chloride

Clearly Superior for Ice-Melt Applications

PELADOW™ Calcium Chloride Pellets

COMBOTHERM™ Commercial Strength Blended Deicer

DOWFLAKE™ Xtra 83-87% Calcium Chloride

LIQUIDOW™ Calcium Chloride



# Quick on the Thaw

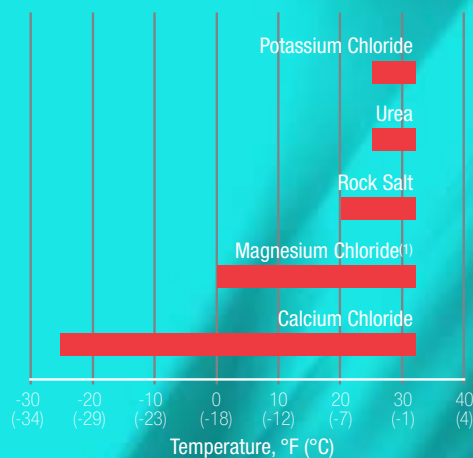
Calcium chloride is clearly superior to other materials for melting ice. It's the fastest, most effective ice-melt material available, melting and penetrating ice at lower temperatures. For more than 100 years, calcium chloride products have helped make the surfaces of sidewalks, driveways, parking lots and roads safer.

Our world-class calcium chloride products are offered in a number of concentrations and forms to suit various ice-melt and prewetting applications:

- PELADOW™ Calcium Chloride Pellets
- COMBOTHERM™ Commercial Strength Blended Deicer
- DOWFLAKE™ Xtra 83-87% Calcium Chloride
- LIQUIDOW™ Calcium Chloride

Each ice-melt product has been scientifically engineered to be the fastest thaw on ice.

## Melting Range Comparison



(1) All solid magnesium chloride ice melters are hydrated salts consisting of at least 50% water by weight.



# PELADOW™ Calcium Chloride Pellets

## The Premier Snow and Ice Melter

### For Steps, Sidewalks, Driveways and Parking Lots

PELADOW™ Calcium Chloride Pellets draw moisture from their surroundings. This speeds up the creation of brine that melts snow and ice on contact. The brine-producing reaction also releases heat, making PELADOW™ more effective at colder temperatures than other materials, which only draw heat from their surroundings.

PELADOW™:

- Contains 90% calcium chloride, which penetrates ice up to 3 times faster than competing materials
- Releases heat to speed melting
- Performs in a wide range of winter temperatures (as low as -25°F [-32°C]); calcium chloride's closest rival, magnesium chloride, loses effectiveness at 0°F (-18°C)

The round shape of PELADOW™ allows it to penetrate ice faster than flat or crystal-shaped products.

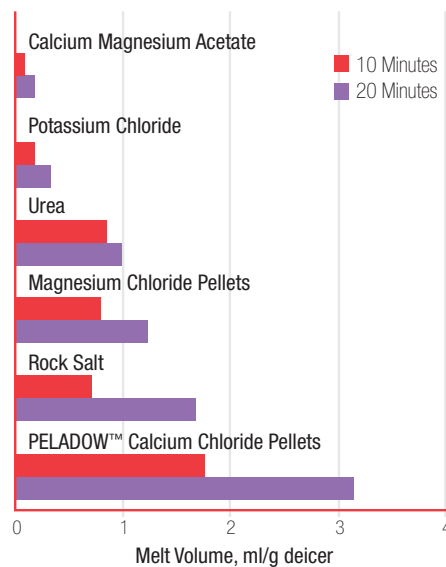
### The Melting Point

PELADOW™ brings snow and ice to the melting point long before other ice-melt formulations. In the first 20 minutes at 20°F (-7°C), PELADOW™ melts approximately:

- 2 times more than rock salt
- 3 times more than magnesium chloride pellets
- 3 times more than urea
- 7 times more than potassium chloride

Trusted for 50 years, PELADOW™ is the best on ice.

### Melt Volume Capability at 20°F (-7°C)



**Peladown™**  
CALCIUM CHLORIDE PELLETS  
PREMIER SNOW AND ICE MELTER

# COMBOTHERM™ Commercial Strength Blended Deicer

## The Power of Calcium Chloride in an Economical Blend



### For Steps, Sidewalks, Driveways and Parking Lots

COMBOTHERM™ Commercial Strength Blended Deicer contains the highest percentage of calcium chloride of any blend on the market – at least 70%. It releases heat on contact, accelerating the melting process. A unique composition makes it an economical alternative to premium ice-melt materials for maintenance professionals and property managers.

#### COMBOTHERM™:

- Generates heat as it works, melting snow and ice faster than other blended deicers
- Is a better ice-melt material and a better value than blends composed mostly of rock salt, which are less effective when temperatures fall below 20°F (-7°C) (COMBOTHERM™ keeps working to -25°F [-32°C])
- Combines its deicing power into a single chip
- Contains a green performance indicator – as the snow and ice melt, the color fades showing how quickly COMBOTHERM™ works

COMBOTHERM™ is an ice-melt formulation that can't be beat.

#### Comparative Performance of Ice Melters

Product	Lowest Practical Temperature	Melt Volume <sup>(1)</sup>	Penetration <sup>(1)</sup>
COMBOTHERM™ Commercial Strength Blended Deicer	-25°F (-32°C)	14.2 ml	6.7 mm
MgCl <sub>2</sub> Flake	0°F (-18°C)	10.4 ml	4.8 mm
NaCl/Urea Blend	+20°F (-7°C)	9.9 ml	5.1 mm
NaCl/KCl Blend	+20°F (-7°C)	8.8 ml	4.8 mm
NaCl Crystals	+20°F (-7°C)	7.8 ml	4.8 mm
KCl Crystals	+25°F (-4°C)	3.2 ml	2.6 mm

(1) At 20°F (-7°C) for 20 minutes; references available upon request

COMMERCIAL STRENGTH BLENDED DEICER  
**COMBOTHERM™**

# DOWFLAKE™ Xtra 83-87% Calcium Chloride

## More of the Most Powerful Ingredient for Deicing Roads



### For Paved Roads, Service and Access Roads, Driveways and Parking Lots

With 10% more calcium chloride than conventional 77% assay flake products, DOWFLAKE™ Xtra 83-87% Calcium Chloride is concentrated for economical performance. For large applications, the high concentration of calcium chloride in DOWFLAKE™ Xtra gives it extra power for fast-acting, long-lasting ice control. For smaller applications, DOWFLAKE™ Xtra can be mixed with rock salt and abrasives for additional cost savings.

At 20°F (-7°C), DOWFLAKE™ Xtra melts 8.5 pounds of ice per pound used versus 7.7 pounds with conventional calcium chloride.

DOWFLAKE™ Xtra provides additional benefits when it is mixed with other materials by helping:

- Make rock salt work faster and at lower temperatures
- Keep sand and cinders manageable and free flowing at cold temperatures
- Imbed sand and cinders in ice to prevent them from being bounced off the surface by traffic
- Reduce salt use by as much as 60% when blended 1:4 with rock salt

Whether used by itself, or with rock salt and abrasives, DOWFLAKE™ Xtra not only melts quicker, it also penetrates and loosens snow and ice for easy removal.

 **DOWFLAKE™ XTRA**  
83-87% PURE CALCIUM CHLORIDE

# LIQUIDOW™ Calcium Chloride

## The High-Value Rock Salt and Abrasives Prewetting Agent

### For Paved Roads, Service Roads and Access Roads

With its low freezing point and 32% concentration, LIQUIDOW™ Calcium Chloride is used to prewet granular materials like rock salt and abrasives, enhancing performance. LIQUIDOW™ helps road crews melt snow and ice faster, and achieve more-efficient chemical usage and reduced road-maintenance costs.



When rock salt is prewetted with LIQUIDOW™, 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

Granulated materials prewetted with LIQUIDOW™ outperform similar dry materials by facilitating road maintenance and its cost effectiveness.

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### In Liquid Form

LIQUIDOW™ is a liquid solution form of calcium chloride that meets or exceeds ASTM D98 and AASHTO M144 requirements for calcium chloride purity.

# LIQUIDOW™ Calcium Chloride

# Quick Reference Guide

To simplify the selection process, use this chart to determine the calcium chloride product best suited to your requirements.

	<b>PELADOW™ Calcium Chloride Pellets</b>	<b>COMBOTHERM™ Commercial Strength Blended Deicer</b>	<b>DOWFLAKE™ Xtra 83-87% Calcium Chloride</b>	<b>LIQUIDOW™ Calcium Chloride</b>
<b>Applications</b>	Steps, sidewalks, driveways, parking lots	Steps, sidewalks, driveways, parking lots	Paved roads, service and access roads, driveways, parking lots	Paved roads, service and access roads
<b>Use</b>	Alone	Alone	Alone or mix with rock salt (for paved roads)	Prewetting agent for rock salt and abrasives
<b>Calcium Chloride Concentration</b>	90%	70% (minimum)	83-87%	32%
<b>Form</b>	Pellets	Chips	Flakes	Liquid

## Clearly the Right Choice

Our calcium chloride products help make the winter maintenance of paved surfaces faster and more effective – even at subzero temperatures. The advantages of choosing any of these proven calcium chloride products are clear:

- High performance and value
- Reliable supply and quality
- Excellent technical service and support
- Proudly made in the U.S.A.

Make the right choice and contact your distributor today for all of your ice-melt applications.



For more information or to find an authorized distributor of  
OxyChem's calcium chloride products, please call or visit our website.

(888) 293-2336

[www.oxycalciumchloride.com](http://www.oxycalciumchloride.com)

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