



PROTECT



TECHNICAL DATA SHEET

ICE MELT

8907

High Performance De-Icer for Outdoor Use



DESCRIPTION

Ice Melt is a high performance, calcium chloride based, de-icer designed to protect against dangerous snow and ice build-up. Applied as a powder the concentrated product reacts rapidly with moisture in an exothermic reaction that actively generates heat, melting ice and snowfall up to ten times faster than traditional rock salt-based products.

The resultant brine solution can remain active for several days, preventing ice from refreezing and providing protection against fresh snow fall, overnight freezes and black ice. In more extreme conditions, the product can be pre-dissolved into a brine solution and applied directly to surfaces by spray, providing effective de-icing down to temperatures as low as -50°C. This makes it the perfect solution to de-icing during the harshest winter conditions.

Ice Melt is manufactured using high purity, calcium chloride and has been specially designed to maximise de-icing performance. Its highly effective formulation provides increased surface protection, offering coverage up to 10m² per kilogram compared to 1m² for traditional rock salt-based products.

Ice Melt is suitable for use in most industrial, commercial and residential environments. It is especially effective when used in the treatment of walkways, roads, carparks, stairways, and access ramps. When used as directed, it can be applied in areas adjacent to vegetation. However, excessive application may impact plant health or soil composition over time.

Ice Melt is less corrosive than traditional sodium-based de-icers (rock salt), though contact with unprotected metal surfaces should be minimised and rinsing is recommended after prolonged exposure. As with all de-icing agents, care should be taken around sensitive environments such as areas with frequent animal activity or proximity to aquatic ecosystems.

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ORAPI MAINTENANCE UK Ltd, Unit 8, Britannia Park, Patent Drive,
Wednesbury, West Midlands, WS10 7XD

Tel: +44 121 525 4000 Web: www.orapi.uk Email: info.uk@orapi.com





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FEATURES & BENEFITS

Rapid ice melting performance
Calcium chloride-based formulation
Suitable for industrial, commercial & residential
Brine solution prevents re-freezing for several days

10x more effective than traditional rock salt
Less corrosive than sodium-based rock salt
Coverage up to 10m² per kilogram
Effective at temperatures down to -50°C



CHARACTERISTICS

Appearance:	Off white powder
Odour:	No characteristic odour
Bulk Density:	1.5 kg/m ³
Effective coverage:	7.0 – 10.0 m ² per kg



STORAGE

Store in original containers in a dry place. Ensure containers remain sealed when not in use to prevent absorption of moisture which may adversely affect product performance.



DIRECTIONS FOR USE

Ice Melt is supplied ready to use straight from the container. For uncovered or lightly frozen areas apply directly to the surface to be treated. For deep snowfall, remove the bulk of the coverage and apply to lower areas of snowfall. Allow to stand as the chemical reaction occurs. Apply additional material as needed until surface is ice free.

For application to large areas the product can be pre-diluted in water and applied as a liquid solution. Add the powdered product directly to fresh water and stir until dissolved. Apply using appropriate spray equipment.

Recommended dilutions are shown below. A maximum solution strength of 30% w/v solution can depress freezing point to -50°C above this strength effectiveness is reduced.

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TEMPERATURE	DILUTION
-10°C	13% w/v
-20°C	20% w/v
-30°C	25% w/v
-40°C	27% w/v
-50°C	30% w/v

Ice Melt is suitable for use on most hard surfaces. For sensitive surfaces testing is recommended prior to use. Care should be taken when applying to metallic surfaces as some corrosion may be observed with prolonged contact. This product is safe for use in areas adjacent to vegetation however care should be taken as prolonged contact may cause dehydration of some plant species and can negatively affect soil composition if allowed to accumulate. Use is not recommended for use in areas with frequent animal activity or in areas where run off can contaminate aquatic ecosystems.



HEALTH & SAFETY

Refer to separate Material Safety Data Sheet (MSDS) for further information.



PACKAGING

Ice Melt is available in the following pack sizes:

8907S2	14 L Resealable plastic pail
8709S5	25 kg Sealed bag

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