

SMART salting temperature guide

Listed below are the lowest practical melting temperatures for common deicers

Using chemicals at temperatures lower than listed will not melt ice effectively. When purchasing ice melts, review the ingredients on the bag for references of the chemicals listed below. Note: No deicing chemicals have environmental consequences. Best practice is to shovel before ice forms.

Sodium Chloride 15°F Rock salt. Corrosive. Basis for many bagged blends	Calcium Chloride -20°F Delivered as flakes. Corrosive. Higher cost	Magnesium Chloride -15°F Delivered as liquid. Corrosive. Higher Cost. Used for pre-treatment	Urea 15°F Delivered as pellets. Non-corrosive. Safe for pets. Mixable with sand.
Calcium Magnesium Acetate 20°F Delivered as powder or pellets. Biodegradable. Safe for pets.	Sand NA Used for traction on icy surfaces. Does not melt ice.	Potassium Acetate -15°F Delivered as liquid. Used as pre-treatment before storms.	

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Scott SWCD * scottswcd.org * 952-492-5425 * 7151 W 190th St, Jordan MN

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