

Smart Salting protects local water & streets.



Clean Water MN

Smart salting, good habits:

- Use tools first: Shovel, scraper, or broom.
- Disperse salt or other de-icers evenly without piles. The goal is not to form a blanket, but to break the bonds of ice/compacted snow.
- Once salt crystals infiltrate the ice/compacted snow, a scraper can chop and scrape the surface. Shoveling off the ice chunks reduces the need to re-apply. Salt that's diluted with meltwater becomes less effective; re-freezing occurs and raises the risk for falls.
- More product doesn't mean faster results: The chemical reaction depends on temperature.
- Excess product remains in meltwater and runoff.
- Never apply de-icers to dry pavement or loose snow.
- Sweep up extra salt and sand.



Help us keep surfaces safe & water clean.

1 teaspoon of salt permanently pollutes 5 gallons of freshwater.

Chlorides found in road salt are harmful to wildlife, soil, and groundwater. They also disrupt the seasonal lake cycles that make our lakes enjoyable, and corrode cars, bridges, and streets.

Shovel - Select - Scatter - Sweep

See reverse for how to accomplish safe surfaces while reducing excess.



1: Shovel

- ◆ Store shovels and tools in convenient locations before winter weather strikes. Consider both a scoop and push shovel for maximum preparedness.

2: Select

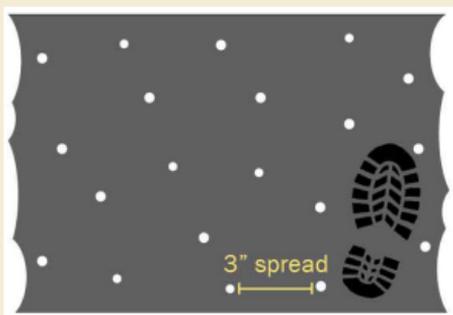
- ◆ Select a de-icing product carefully depending on temperature, and allow for the expected melt time. Use sand or grit for temporary traction.

Pavement temp. °F	Rock salt (NaCl) melt times
30°	5 min.
25°	10 min.
20°	20 min.
15°	1 hour
10°	N/A → Dry salt is ineffective and will blow away before it melts ice.
Chemical: Check package	Lowest practical melting temp.
CaCl ₂ (Calcium Chloride)	- 20 °F
KAC (Potassium Acetate)	- 15 °F
MgCl ₂ (Magnesium Chloride)	- 10 °F
NaCl (Sodium Chloride/rock salt)	15 °F
CMA (Calcium Magnesium Acetate)	20 °F
Blends	Check with manufacturer

Sand and abrasives provide traction but don't melt. Clean-up required.

3: Scatter

- ◆ Use salt only where it's critical, striving for 3" between crystals. Plan ahead and practice to make smart estimates quick and easy.
- ◆ Plan ahead for the space you expect to maintain during the winter, and keep a 12-oz cup in a convenient place with the salt storage.
- ◆ Cover storage buckets or store salt indoors to keep dry.



12-oz coffee mug	Sidewalk squares	Driveway length	Square feet
1/2 mug	5	~10'	500 ft ²
1 mug	10	~20'	1,000 ft ²

4: Sweep

- ◆ Sweep up extra salt, sand, and grit. Salt and grit can be reused, but sand will likely lose its traction and should be thrown in the trash.

For videos and more resources visit vlawmo.org/residents