

**APPLICATION EQUIPMENT:**



750 Gallon Skid with Micro Trak



300 Gallon



100 Gallon 12 volt  
UTV Sidewalk Applicator



12 Volt Sprayer

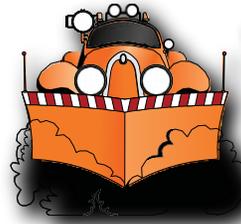
**BRINE MAKERS:**



1600 Gallon Brine Maker



300 Gallon Brine Maker



**DEICING DEPOT**

Your specialist for Deicing chemicals and equipment  
LOCATIONS NEAR YOU!

**SAFE N SURE  
LIQUID BRINE**



**LOW-COST  
FASTER THAN DRY SALT  
LESS WASTE**



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## BENEFITS:

**1) PROACTIVE, PREEMPTIVE MANAGEMENT:** Pretreating surfaces with liquid brine solutions in conjunction with timely mechanical removal and post storm ice-melter applications will produce the highest possible level of safety before, during, and after winter weather events. Brine will also help prevent snow or ice bonding to the surface; aiding the removal process, while also helping to reduce the amount of material used post storm. Situations for applying brine are as follows: Storms 1" to 2" or under that do not start out as rain. Storms greater than 2"; brine can be applied to help prevent bonding as long as it does not start out as rain.

**2) SAFER MOVEMENT BEFORE MAIN EVENT:** Pretreating with liquid brine is much like greasing a pan before baking cookies. The liquid brine will allow for a snow plow to easily clean up the snow, much like grease makes getting a cookie off the pan much easier. Pretreating before winter storms can facilitate a higher level of safety in the initial storm phase because the snow will not turn to ice; allowing for safe movement of traffic until mechanical plowing begins. Pretreating can keep small amounts of snow off surfaces before contractors can begin plowing. Pretreatments can begin up to 48 hours ahead of a snow event, as long as the snow storm does not begin as heavy rain. Brine can also be used as a post treatment.

**3) BETTER FOR THE ENVIRONMENT:** Liquid Brine solutions are 23.4% salt to water. That's only 2.2 pounds of salt per gallon, and at 45 gallons per acre, we are only using 99 pounds of salt per acre. This is much less compared to salting with dry material, which could be as much as 800 pounds per acre. The reduction in chlorides minimizes the risk of damage to surfaces, plant materials, and water sources when compared to dry salt alone. Liquid brine solutions are a great tool for LEED certified sites as well. Liquid brine is easier to store and causes less waste, thus reducing some harmful effects on the environment.

**4) VALUE PAST INITIAL APPLICATION:** Once applied, the water in a brine solution will evaporate, leaving a coating of dry salt. The coating of dry salt will stick to the surface, which prevents it from being tracked indoors, or pushed around by vehicles or pedestrians. With liquid brine, there are not granules that can be tracked indoors, or slipped on. Once the liquid brine has evaporated, the residual salt will create a gray haze on the surface.

**Liquid Brine Pretreatment** involves applying a liquid brine solution to hard pavement surfaces in advance of a pending winter weather event.

**Sodium Chloride (salt) Brine** is a low-cost measure that works faster than dry salt, with less waste.

**Brine** is applied at 1 gallon per thousand square feet, at a 23.4% solution.

## SAVINGS

Liquid brine contains 2.2 pounds of salt per gallon. At average application rates, that's 99 pounds of salt per acre. This saves more than 50% on dry material on the first application!

## PRETREATMENTS WILL NOT:

**WILL NOT** prevent icing during freezing rain events.

**WILL NOT** provide acceptable results when pavement temps are below 0° F with a potential for refreezing before pavement dries.

**WILL NOT** prevent accumulations of snow or ice in moderate/heavy or protracted events.

## SHIPMENT AND STORAGE:

Safe and Sure Brine can be shipped two ways; tanker truck or totes. The Tanker shipments of 4500 gallons are the most cost effective and require two storage tanks of 3000 gallons each or one larger tank to hold the 4500 gallons. Totes are shipped by flat bed, and come 17 to a trailer load at 275 gallons per tote. Totes can be used as a delivery device in the field and refilled from the 4500 gallon storage tanker.

