

## LithMelt™ ANTI-ICER / DE-ICER

Lithium Acetate / Potassium Acetate 45% Aqueous Solution

CAS No. 546-89-4, 127-08-2

### PRODUCT DESCRIPTION

**LithMelt™** anti-icing / deicing liquid is a specially formulated material comprising potassium acetate modified with lithium acetate. This industrial strength, fast-acting formula melts ice on contact with the lowest eutectic melting temperature available on the market (-80 °F (-62°C)) and will resist re-freezing and early dilution compared to other de-icers. It works to separate ice from the surface, allowing for easy removal as the solution comes into contact with frozen precipitation. The active ingredients immediately begin to cut away and debond ice particles on contact. Frozen areas will continue to melt and accumulated ice softens allowing for easy removal. This prevents further ice formation and ice pack, resulting in fewer re-applications, increased safety and overall customer satisfaction.

Environmentally friendly, non-toxic to plant and animal life and does not cause the deleterious effects of ASR (Alkali Silica reactivity) in concrete or leave an oily/ white residue when not over applied.

### APPLICATIONS

For use on walkways, steps, plazas, parking lots, ramps, landing pads, equipment, windshields, and more.

### ADVANTAGES

- Lowest eutectic temperature formula results in fewer applications
- Excellent as pre-treatment for preventing black ice
- Rapidly cuts through hard packed ice, breaking the bond at the surface for easy removal
- Resists re-freezing and early dilution, preventing further ice formation and accumulation
- Non- hazardous and safe for wildlife and less corrosive than water
- Changes surface tension ~ preventing ice particles to bond
- Safe on landscaping ~ will not damage vegetation or shrubbery and pet friendly
- Non-corrosive ~ will not damage adjacent structures or vehicles
- Easy to apply: no special equipment needed
- No mess ~ will not track or leave harmful alkalis residue like common deicers
- Non-corrosive ~ Does not corrode most metals

## PHYSICAL PROPERTIES

Appearance	Tan Tint
Odor	Slight vinegar-like odor
Density @25°C (77°F)	1.248 g/cm <sup>3</sup> (10.4 lb/gal)
pH at 25°C	10.8 -11.4
Freeze Point ( Eutectic Temp)	(-80 °F (-62°C))
Flash Point	Nonflammable

## APPLICATION / USAGE

BEFORE APPLICATION, ALWAYS DO A SMALL TEST SAMPLE IN A LESS-VISIBLE AREA TO BE SURE THERE ARE NO VARIABLES OR CONTAMINANTS IN THE SUBSTRATE THAT MAY BE INCOMPATIBLE WITH THIS PRODUCT.

## ESTIMATED COVERAGE

400-600 ft<sup>2</sup> per gallon (9.8-14.7 m<sup>2</sup> per liter)

Suggested application rates are below 0°F. Conditions with significant ice accumulation may require a heavier rate of application. Using a sprayer, apply **LithMelt™** evenly on the surface before or after snow/ice accumulation. Removal of ice/slush is required to keep the product from becoming diluted. If ice begins to accumulate, re-apply **LithMelt™**.

## CLEAN UP

*Use soap and water to clean tools and equipment. Use up or dry out extra material and dispose of according to local regulations.*

## PACKAGING/SHIPPING CONTAINERS

1-Gal Jug • 3.79 L  
 5-Gal Pail • 18.93 L  
 55-Gal Drum • 208.20 L  
 275-Gal Tote (IBC) • 1040 L

*Private Label Available*

## TOXICITY / SAFETY

Colorless solution with slight vinegar-like odor. This product is mildly irritating to the skin and may be irritating to the eyes, respiratory tract and mucous membranes. Complete information on toxicity and safety's contained in the ASG Chemie Material Safety Data Sheet ( MSDS).

COMPLETE INFORMATION ON TOXICITY AND SAFETY IS CONTAINED IN THE ASG Chemie MATERIAL SAFETY DATA SHEET (MSDS) AVAILABLE FOR THIS PRODUCT.

## HANDLING/STORAGE

Avoid contact with eyes, skin or clothing. Avoid breathing mist. Use with adequate ventilation. Wear safety glasses or goggles and rubber gloves. Wash thoroughly after handling. Keep away from strong acids. Keep container closed.

ORDERS and  
 TECHNICAL SUPPORT

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## LIMITED WARRANTY INFORMATION.

### PLEASE READ CAREFULLY.

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For more information or answers to questions about the use in specific applications, contact your Technical Sales Representative or call Toll Free 1.833.LITHUSA (1-833-548-4872).

Visit our website at [www.lithiumsalts.com](http://www.lithiumsalts.com)