

IceCare™

Sodium Formate Runway Deicer

Spec Sheet

DESCRIPTION

IceCare is a solid granular sodium formate runway deicer that has 98% minimum active ingredient. This solid deicer and anti-icer is fast-acting and environmentally acceptable for use on all airside operational surfaces as well as landside applications. IceCare - Solid Runway Deicer is manufactured to meet the strict performance and ecological requirements of AMS 1431D. IceCare - Solid is a highly effective substitute for urea for general airport.

APPLICATION

DEICING

The primary purpose of the chemical deicing is not to melt surface ice, but rather to diffuse down through the snow and ice to break the bond between frozen precipitation and the runway.

ANTI-ICING

The most cost effective way to utilize runway deicing fluid is by preventing frozen precipitation from sticking. The presence of residual IceCare on the operational surface after deicing serves as an effective anti-icing agent.

PREWETTING

Prewetting is not necessary. However, if desired, apply at a ratio of 70 parts solid IceCare to 30 parts liquid (PA-type).

EQUIPMENT

Conventional mechanical spreaders are acceptable. A combination spreader or one which “prewets” the solid at the spinner with a liquid deicer/anti-icer is highly recommended for maximum performance.

STORAGE AND HANDLING

Airport ICECARE - Solid should be stored in its original container in a cool, dry, well-ventilated area to avoid moisture pick-up and caking. During the deicing season, unused portions of IceCare can be stored in piles, protected precipitation, without caking difficulties. When handling IceCare, avoid contact with skin and eyes.

SPECIFICATIONS

APPEARANCE: White, irregular crystalline solid

ACTIVE INGREDIENT: Minimum 98%.

FREEZE POINT: Effective to 0°F

SPECIFIC GRAVITY: 0.92 -0.95 @ 68°F

pH (10% solution): 9.5 – 11.0

FLASH POINT (CC): Nonflammable

SOLUBILITY IN WATER: Yes

BIODEGRADABILITY: >90%

SAFETY AND THE ENVIRONMENT

Tests have shown IceCare runway deicing fluid is readily biodegradable with low COD/BOD and aquatic toxicity. Always read and understand Material Safety Data Sheets before using the product.

BENEFITS

- Effective down to 0°F.
- 98% minimum active ingredient.
- Application rate 50% - 60% of urea.
- Can be applied with existing spreading equipment.
- Nitrogen and phosphate-free.
- Does not deteriorate under heat.
- Low BOD
- Dust free

