



EX-MELT

CLASSIFICATION: Sodium Formate Ice-Melt

DESCRIPTION:

Ex-Melt is an advanced, environmentally friendly granulated solid sodium formate deicer designed to maintain adequate friction between tires and surfaces. It is specially engineered to allow for the efficient removal of snow and ice from airport runways, aprons, parking lots, sidewalks and access roads. Ex-Melt is manufactured in a oblong shape, preventing material from rolling once placed. Typical application rate is 2/3 that of commonly used chloride based deicers.

FEATURES & BENEFITS:

- Readily Biodegradable (99.6% after 28 days - OECD).
 - Does not contain nitrites or triazoles.
 - Non-corrosive to carbon steel, aluminum and concrete.
 - Lowest working temperature among approved airside solid de-icers.
 - Lower application rates compared to other solids.
 - Irregularly shaped to eliminate bounce and roll.
 - AMS 1431, SAE AIR6130, SAE AIR6170, SAE AIR6172 and SAE AIR6211 approved.
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PHYSICAL CHARACTERICS:

- Appearance - White irregular granulate
 - Odor - Slight, specific
 - pH (1%) - 8-11
 - Specific Gravity (kg/m³) - 900-950
 - Granular size - 2-6 mm
 - Water Miscibility - 81g per 100mL @ 20°C
 - BOD (5 day), g O₂/g of fluid - 0.02
 - COD, g O₂/g of fluid - 0.34
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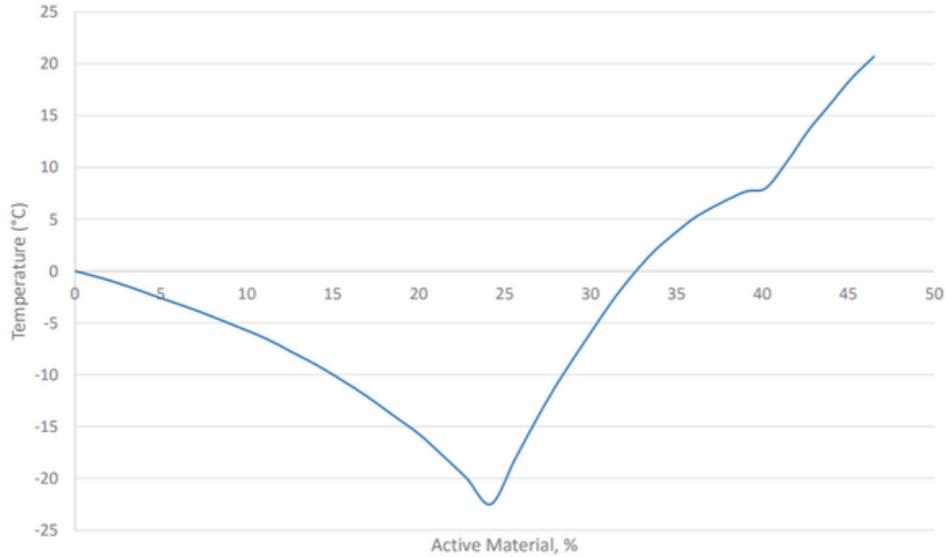
PACKAGE SIZES:

- Bulk
 - 1000kg Tote Bag
 - 25kg Hand Bag
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EX-MELT

EX-MELT - TRUE CRYSTALLIZATION TEMPERATURE (WT. %)



USE INSTRUCTIONS:

Ex-Melt can be applied with all standard airport solid spreading equipment. Ex-Melt can be hand spread on sidewalks providing a environmentally friendly alternative to traditional traction materials.

The application of chemicals is distinguished as either anti-icing or de-icing. Anti-icing is to apply immediately prior to the onset of freeze conditions to prevent the bond of precipitation with pavement. It is considered the most efficient use of chemicals. De-icing means applying chemical after an event to aid in the removal of ice and snow. The following suggested rates will vary depending on a range of conditions including air temperature, humidity, precipitation type, wind, ground temperature, surface material and application equipment.

ANTI-ICING

Prior to the onset of precipitation:

- 0 to -5 °C - 1.5 kg/100m²
- 5 to -10 °C - 2.0 kg/100m²

DE-ICING

Snow and snow fall:

- 0 to -5 °C - 2.5 kg/100m²
- 5 to -10 °C - 3.5 kg/100m²
- Under -10°C - 4.5 kg/100m²

Light ice and compacted snow:

- 0 to -5 °C - 1.0 kg/100m²
- 5 to -10 °C - 2.0 kg/100m²
- Under -10°C - 3.0 kg/100m²

Ice and freezing rain:

- 0 to -5 °C - 2.5 kg/100m²
- 5 to -10 °C - 4.0 kg/100m²
- Under -10°C - 5.0 kg/100m²