

CRYOTECH LC17[®]

Liquid Runway Deicer • AMS 1435

Why Cryotech LC17?

Cryotech LC17 is a potassium acetate-based liquid runway deicer that meets FAA-approved specifications for use by commercial airports and military bases. LC17 is non-persistent, readily biodegradable, and exhibits lower conductivity than commonly used liquid deicers.

BENEFITS

- Formulated specifically for low conductivity
- Improved carbon brake compatibility by reducing catalytic oxidation (AIR 5567)
- Reduced corrosion of cadmium plated parts and electrical conductivity in the airfield
- Complimentary customer training upon request

PERFORMANCE

- Excellent anti-icing characteristics
- Effective to -20°F (-29°C)

ENVIRONMENT

- Formulated to be readily biodegradable
- Does not contain urea
- Recognized as “relatively harmless” by the U.S. Fish and Wildlife scale

APPLICATION

- Prewetting: Apply at spreader outlet at a rate of 1.25 gallons per 100 lbs (120 g/kg) of solid deicer, such as Cryotech NAAC[®]
- Anti-icing: 0.5 gallons/1000ft² (25 g/m²)
- Deicing: 1 gallon/1000ft² (50 g/m²) near 32°F (0°C) on thin ice
3 gallons/1000ft² (150 g/m²) below 10°F (-12°C) on 1 inch ice
- Re-apply when new accumulation shows first tendency to bond
- Plow and broom often to reduce fluid dilution

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PRODUCT SPECIFICATIONS

COMPOSITION		APPEARANCE	DENSITY	VISCOSITY
Aqueous solution, containing potassium acetate and propylene glycol plus corrosion inhibitors		Blue, mobile liquid, free from matter in suspension	9.59 lbs/gallon	At 68°F (20°C) = 8 cP maximum At 32°F (0°C) = 20 cP maximum
FLASH POINT		FREEZING POINT	MISCIBILITY WITH WATER	pH
Nonflammable		< -50°F (-45°C)	Complete	10.5 to 11.5
CONDUCTIVITY	SPECIFIC GRAVITY	PACKAGING		HANDLING
~ 43 mS/cm at 20°C	At 68°F (20°C) = 1.13 - 1.18	55 gallon drums (208 liters) - 4 drum minimum 265 gallon tote (1003 liters) - 1 tote minimum Bulk - 4400 gallons (16,656 liters) minimum		<ul style="list-style-type: none"> • LC17 should not be stored or plumbed through systems that use galvanized, zinc, or brass components • Polyethylene or stainless steel containers are preferred, otherwise use carbon or low alloy steel • Best practices include storing totes and drums in areas protected from weather and exposure to direct sunlight • Containers must be clean and free of rust, surface deposits, and residues

TO ORDER OR FOR PRODUCT INFORMATION CONTACT:

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