

Eagle Chemical B42 LOWC

Liquid Runway Deicer



Why Eagle Chemical B42 LOWC?

Eagle Chemical B42 LOWC liquid runway deicer is a high-performing aqueous potassium acetate/Propylene glycol-based solution. B42 LOWC is formulated for low conductivity, for corrosion resistance and ensuring no interference with electrical equipment. B42 LOWC can be used as an anti-icer or deicer.

BENEFITS

- Low conductivity properties
- Remains stable and effective long term when stored as directed
- Safe for the environment

PERFORMANCE

- Industrial leading anti-icing characteristics
- Low viscosity, sprays effectively at low temperatures
- Effective at -7°F (-21°C)
- Formulated with extremely low electrical conductivity to protect equipment from corrosion

ENVIRONMENT

- Readily biodegradable low BOD and COD
- Contains no ethylene glycol or alcohols

APPLICATION

- Anti-icing: 0.5 gallons/1000ft² (25g/m²)
- Deicing: 1 gallon/1000ft² (50 g/m²) near 32°F on thin ice; 3 gallon/1000ft² (150 g/m²) near 10°F on thick 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
15-40% Potassium acetate, 15-40% Propylene glycol	Blue (transparent), free from matter in suspension	8.47 lbs/gallon	At 32°F (0°C) = 12cP
Flash Point	Freezing Point	Miscibility	pH
Nonflammable	-7°F (-21°C)	Complete	7.0-9.0
Specific Gravity	BOD5 @68°F (20°C)	COD	LC ₅₀ (fish; 96hr)
1.015-1.050	0.19 kg O ₂ /kg fluid	0.34 kg O ₂ /kg fluid	2,450 mg/L
Packaging		Handling	
55 gallon drums (208 liters) – 4 drum minimum 275 gallon totes (1041 liters) – 1 tote minimum Bulk - 4400 gallon (16,656 liters) minimum		• B42 LOWC should not be plumbed through systems that use galvanized, zinc, or brass components • HDPE or stainless steel containers are preferred, otherwise use carbon or low alloy steel if clean and free of rust, surface deposits, and residues • Best practice include storing totes and drums in areas protected from weather and exposure to direct sunlight	
Typical Conductivity			
Less than 3mS/cm			