

Eagle Chemical B42

Liquid Runway Deicer

AMS 1435E Certified



Why Eagle Chemical B42?

Eagle Chemical B42 liquid runway deicer is a high-performing 50% aqueous potassium acetate solution by weight. It contains no urea or glycol and is stable in storage with no agitation required. It is the industrial standard for use on airport runways. B42 can be used as an anti-icer or deicer.

BENEFITS

- Less slippery than hybrid/glycol-based products
- Remains stable and effective long term when stored as directed
- Complimentary customer training upon request

PERFORMANCE

- Industrial leading anti-icing characteristics
- Low viscosity, sprays effectively at low temperatures
- Effective at -26°F (-32°C)
- Low Freezing Point -76°F (-60°C)

ENVIRONMENT

- Readily biodegradable low BOD and COD
- Low toxicity to fish and mammals; recognized as “relatively harmless” by the U.S. Fish and Wildlife Scale
- Does not contain urea or glycol

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
50% Potassium acetate solution, by weight	Clear, free from matter in suspension	10.8 lbs/gallon	At 32°F (0°C) = 12cP
Flash Point	Freezing Point	Miscibility	pH
Nonflammable	-76°F (-60°C)	Complete	9.0-10.0
Specific Gravity	BOD5 @68°F (20°C)	COD	LC ₅₀ (fish; 96hr)
1.27-1.30	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 MAY BE COLORED BLUE AT CUSTOMER REQUEST		- B42 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	