

# CRYOTECH E36®

*Liquid Runway Deicer*

*AMS 1435 Certified*



## Why Cryotech E36?

Cryotech E36 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 industry standard for use on airside pavements such as runways, ramps, and helipads. E36 can be used as an anti-icer or deicer and its effectiveness is enhanced when used in combination with Cryotech NAAC® solid runway deicer.

### BENEFITS

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

### PERFORMANCE

- Industry leading anti-icing characteristics
- Low viscosity, sprays effectively at low temperatures
- Effective to -25° F (-32° C)
- Low freeze 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

- Prewetting: Apply at spreader outlet at a rate of 1.25 gallons per 100 lbs (120 g/kg) of solid deicer, such as NAAC
- Anti-icing: 0.5 gallon/1,000ft<sup>2</sup> (25 g/m<sup>2</sup>)
- Deicing: 1 gallon/1,000ft<sup>2</sup> (50 g/m<sup>2</sup>) near 32°F (0°C) on thin ice  
3 gallons/1,000ft<sup>2</sup> (150 g/m<sup>2</sup>) below 10°F (-12°C) on thick ice
- Re-apply when new accumulation shows first tendency to bond
- Plow and broom often to reduce fluid dilution





## PRODUCT SPECIFICATIONS

| COMPOSITION                                                                  | APPEARANCE                                                                                                                                                                              | DENSITY                                                                                                                                                                                                                                                                                                                                                                                                                                       | VISCOSITY                                                                      |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 50% aqueous potassium acetate solution, by weight, plus corrosion inhibitors | Clear, blue*, mobile liquid, free from matter in suspension                                                                                                                             | 10.68 lbs/gallon                                                                                                                                                                                                                                                                                                                                                                                                                              | At 68°F (20° C) = 6 cP<br>At 32°F (0° C) = 12 cP<br>At -10° F (-23° C) = 49 cP |
| FLASH POINT                                                                  | FREEZING POINT                                                                                                                                                                          | MISCIBILITY WITH WATER                                                                                                                                                                                                                                                                                                                                                                                                                        | pH                                                                             |
| Nonflammable                                                                 | -76° F(-60° C)                                                                                                                                                                          | Complete                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10.5 to 11.5                                                                   |
| SPECIFIC GRAVITY                                                             | PACKAGING                                                                                                                                                                               | HANDLING                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                |
| At 68°F (20°C) = 1.25 - 1.30                                                 | 55 gallon drums (208 liters) - 4 drum minimum<br>265 gallon tote (1003 liters) - 1 tote minimum<br>Bulk - 4,400 gallons (16656 liters) minimum<br>*MAY BE COLORLESS AT CUSTOMER REQUEST | <ul style="list-style-type: none"><li>E36 should not be stored or plumbed through systems that use galvanized, zinc, or brass components</li><li>Polyethylene or stainless steel containers are preferred, otherwise use carbon or low alloy steel if clean and free of rust, surface deposits, and residues</li><li>Best practices include storing totes and drums in areas protected from weather and exposure to direct sunlight</li></ul> |                                                                                |

Readily Biodegrades even at Cold Temperatures

% Biodegraded at 41°F (5°C)

| Time   | % Biodegraded |
|--------|---------------|
| 5 day  | 30%           |
| 15 day | 75%           |
| 29 day | 85%           |

## TO ORDER OR FOR PRODUCT INFORMATION CONTACT:

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