

*SAFE RUNWAYS AND A  
CLEAN ENVIRONMENT*

# Potassium Acetate

*Liquid Runway Deicer*



ISO 9001  
CERTIFIED  
  
REGISTERED  
FM 39092

CRYOTECH  
ISO 9001:2000 CERTIFIED COMPANY

## BENEFITS

- \* Safe for runways: meets FAA approved specifications
- \* Safe for the environment: non-persistent, biodegradable, low BOD
- \* Fast: runways are available sooner
- \* Staying power: works longer, requiring fewer applications
- \* Easy to apply: applied with existing equipment

## PERFORMANCE

- \* Excellent anti-icing characteristics
- \* Active at low temperatures (-20°F and below)
- \* Less slippery than glycol-based products

## APPLICATION

- \* Deicing: 1 gallon /1000 ft<sup>2</sup> (50 g/m<sup>2</sup>) near 32°F (0°C) on thin ice  
3 gallons/1000 ft<sup>2</sup> (150 g/m<sup>2</sup>) below 10°F (-12°C) on 1 inch ice
- \* Anti-icing: 0.5 gallons/1000 ft<sup>2</sup> (25 g/m<sup>2</sup>)
- \* Reapply when new accumulation shows first tendency to bond
- \* Plow often to reduce fluid dilution
- \* Prewetting - apply at spreader outlet at a rate of 1.25 gallons per 100 lbs. (130 g/kg) of solid deicer

## ENVIRONMENT

- \* Low BOD
- \* Biodegrades at low temperatures
- \* Does not contain urea
- \* Low toxicity to fish, mammals, and vegetation

## HANDLING

- \* Polyethylene, carbon, low alloy, or stainless steel containers
- \* Containers must be clean and free of rust, surface deposits, and residues
- \* Do not use galvanized materials

# PRODUCT SPECIFICATIONS – POTASSIUM ACETATE

## COMPOSITION

50% aqueous potassium acetate solution, by weight,  
plus corrosion inhibitors

## APPEARANCE

Clear, colorless\*, mobile liquid, free from matter in suspension

## DENSITY

at 20°C (68°F) = 10.7 lbs/gallon (1.28 g/cm<sup>3</sup>)

## VISCOSITY

at 20°C (68°F) = 10 cp maximum  
at 0°C (32°F) = 20 cp maximum

## FLASH POINT

Nonflammable

## FREEZING POINT

-60°C (-76°F)

## MISCIBILITY WITH WATER

Complete

## STORAGE

No special storage required\*\*

## TYPICAL pH

11.0 ± 0.5

## SPECIFIC GRAVITY

At 20°C = 1.25 – 1.30

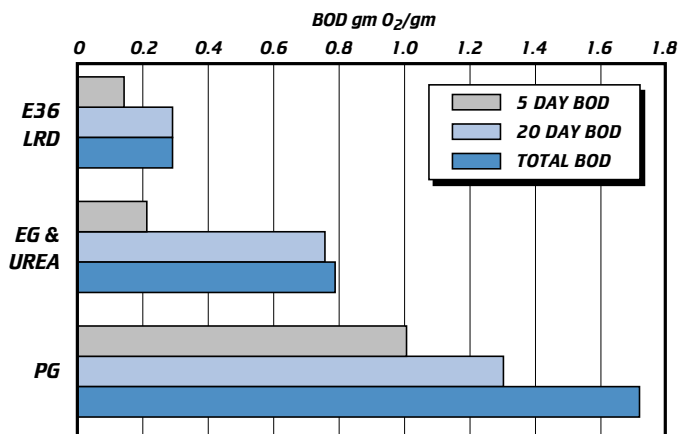
## PACKAGE SIZE

55 gallon drum (208 liters)  
265 gallon tote (1003 liters)

\* May have blue food grade dye added at customer request

\*\* Do not use galvanized materials

## BOD (Biological Oxygen Demand)



*E36 LRD Requires  
Less Oxygen  
to Biodegrade*

Source: NW Aquatic Laboratories, 1992  
Airports & Groundwater Contamination Seminar, Windsor Locks, CT, 1989

FOR ORDER INFORMATION CONTACT:

CHEMICAL SOLUTIONS, INC.

P. O. BOX 675

FRANKLIN, MA 02038-0675

PHONE: 508/520-3900

FAX: 508/520-7861

E-MAIL: SAL;ES@MELTSNOW.COM

WEB: HTTP://WWW.MELTSNOW.COM