

CRYOTECH CF7®

Liquid Commercial Deicer

Why CF7?

Cryotech CF7 liquid commercial deicer is a high performing 50% aqueous potassium acetate solution, by weight. CF7 is non-chloride based making it safer for structural steel and reinforcing steel embedded in concrete. CF7 is proven effective in Fixed Anti-icing Spray Technology (FAST) systems for bridges and roadways.

BENEFITS

- Non-chloride based
- Very low corrosion to steel
- Liquid formulation works fast, on contact
- Easy to handle, no agitation required
- Can be used for anti-icing, deicing, and prewetting solid
- Good tire tracking
- Low viscosity, not slippery
- Complimentary customer training upon request

PERFORMANCE

- Has low freeze point of -76°F (-60°C)
- Effective to -25°F (-32°C), much lower than traditional deicers
- When used as an anti-icer, CF7 prevents bonding of snow/ice to pavement
- When used as a deicer, CF7 breaks snow/ice bonds prior to mechanical removal
- Does not refreeze as fast as common deicers, the residual effect requires fewer applications

ENVIRONMENT

- Non-persistent, readily biodegrades at low temperatures
- Low BOD and toxicity to fish, mammals, and vegetation
- Does not contain nitrogen or chlorides
- Recognized as “relatively harmless” by the U.S. Fish and Wildlife scale

APPLICATION

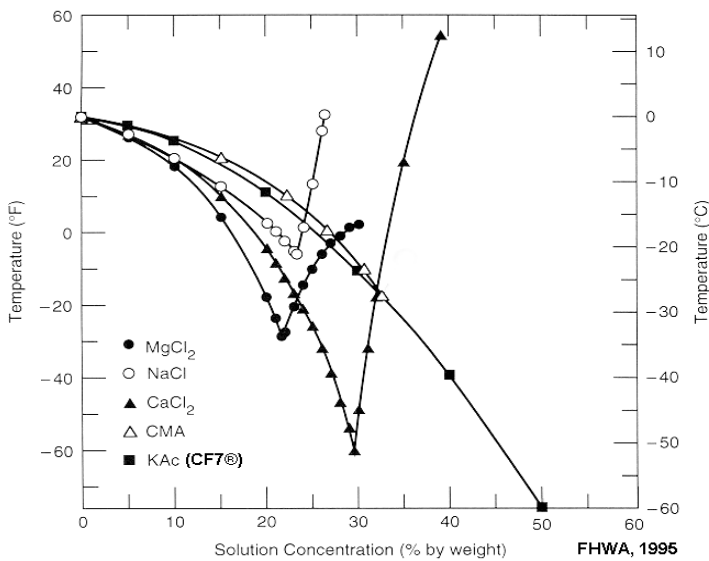
- Application rates vary considerably based on pavement temperatures, forecast, traffic action, and level-of-service expectations
- In general, apply as you would salt brine. However, CF7 can be used at much lower temperatures
- CF7 is best applied early or right before a storm as an anti-icer to prevent ice bonding to the pavement surface
- CF7 can also be used at the spreader as a prewetting agent to accelerate solid deicers such as Cryotech NAAC® or salt.



PRODUCT SPECIFICATIONS

COMPOSITION	APPEARANCE	DENSITY	VISCOSITY
50% aqueous potassium acetate solution, by weight, plus corrosion inhibitors	Clear, colorless*, mobile liquid, free from matter in suspension	10.68 lbs/gallon	At 68°F (20°C) = 10cP maximum At 32°F (0°C) = 20cP maximum
FLASH POINT	FREEZING POINT	MISCIBILITY WITH WATER	TYPICAL 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 265 gallon tote (1003 liters) - 1 tote minimum Bulk - 4400 gallons (16,656 liters) minimum * MAY BE DYED BLUE AT CUSTOMER REQUEST		<ul style="list-style-type: none"> CF7 should not be stored or plumbed through systems that use galvanized, zinc, or brass components (may be used on or around galvanized bridge and parking deck components, signage, and guardrails) 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

Refreeze Temperatures



TO ORDER OR FOR PRODUCT INFORMATION CONTACT:

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