

# CRYOTECH CMA<sup>®</sup>

## Solid Commercial Deicer



### BENEFITS

- Less corrosive than tap water
- Safest deicer for concrete, chloride free
- Can be used on new concrete (dependent on quality), cured for at least 30 days
- Excellent inhibitor, reducing chloride corrosion
- Readily biodegradable, low toxicity
- Safer for pets than sodium chloride
- Requires fewer applications than other common deicers
- Can be used straight or mixed with salt, with sand, or as a liquid
- Spherical pellet is less dusty than granular deicers
- Complimentary customer training upon request

### PERFORMANCE

- Works best above 20°F (-7°C)
- Has long lasting effect, better than chloride salts or urea
- Breaks/inhibits bond between snow/ice and pavement making snow/ice easier to remove
- Creates some brine and a dry, oatmeal-like consistency with snow for improved traction

### ENVIRONMENT

- Biodegrades to carbon dioxide and water
- Safe for vegetation
- Calcium and magnesium increase soil permeability and are soil amendments
- Low toxicity to aquatic species
- Poor mobility in soil, unlikely to reach groundwater
- Safe for groundwater concerns
- Does not contain nitrogen or chlorides

### APPLICATION

- Apply early in the storm to prevent snow/ice bonding
- First application:
  - Commercial = 15-20 lbs/1000ft<sup>2</sup> (75-100 g/m<sup>2</sup>)
  - Highway = 300-400 lbs/lane mile (20-40 g/m<sup>2</sup>)
- Allow time for CMA to penetrate and loosen the snow/ice pack before removing snow/ice
- Re-apply when new snow/ice accumulation shows first tendency to bond

### HANDLING

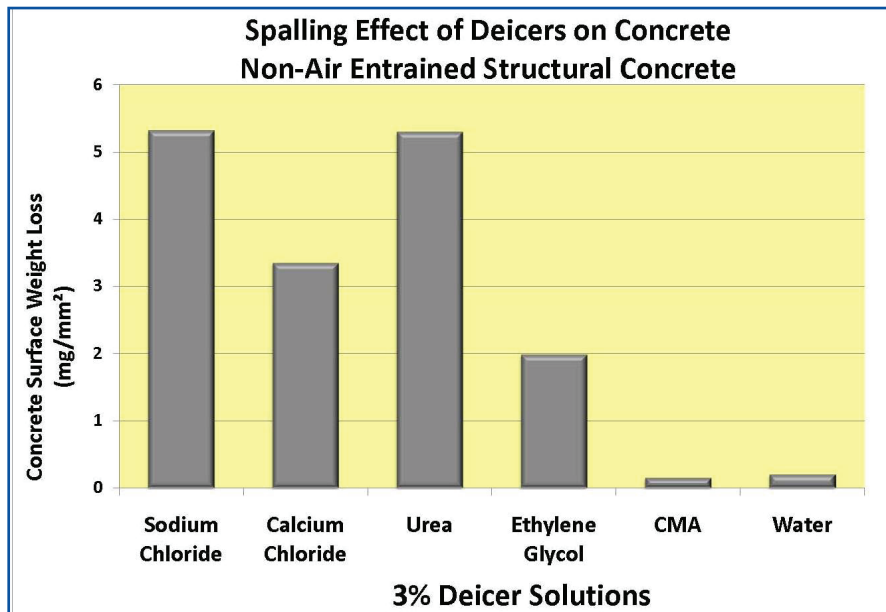
- May be stored indefinitely if kept dry
- Avoid excess moisture which may cause caking
- Excessive handling may cause dustiness

See Reverse Side For Product Specifications  
Test Data Available Upon Request  
ISO 9001:2008 & 14001:2004 CERTIFIED COMPANY



# PRODUCT SPECIFICATIONS - CRYOTECH CMA®

<b>COMPOSITION</b>	Calcium Magnesium Acetate (CMA) 3:7 Ca to Mg molar ratio Hydrated CMA + other acetates Inert Material	96% minimum 4% maximum
<b>APPEARANCE</b>	White to off-white spherical pellet	
<b>BULK DENSITY</b>	40 lbs/ft <sup>3</sup> to 44 lbs/ft <sup>3</sup> (0.65 g/cm <sup>3</sup> to 0.79 g/cm <sup>3</sup> )	
<b>PARTICLE SIZE</b>	<u>Sieve</u> 4 14	<u>Particle Passing</u> 90 10
<b>RESIDUAL BASE</b>	Maximum of 0.4 meq base/g	
<b>TYPICAL pH</b>	8 to 10 in a 10% solution	
<b>PACKAGING</b>	55 lbs (25 kg) poly bags - 40 bag minimum 2205 lbs (1000 kg) Super Sacks - 1 super sack minimum Bulk - 20 metric ton minimum	



Source: Department of Transportation, UK 1993



**TO ORDER OR FOR PRODUCT INFORMATION CONTACT:**

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