

**REPLACE THE DEICER,
NOT THE STRUCTURE.**

SPEC: SOLUTIONS CMA®



ISO 9001
CERTIFIED



FM 39092

CRYOTECH
ISO 9001:2000 CERTIFIED COMPANY

BENEFITS

- * Low corrosion: less corrosive than tap water
- * Safe for concrete: the safest deicer for concrete
- * Excellent inhibitor: reduces chloride corrosion
- * Safe for the environment: biodegradable, low toxicity
- * Residual effect: requires fewer applications
- * Multi-purpose: use straight, with salt, with sand, or as a liquid

PERFORMANCE

- * Works best above 20°F (-7°C)
- * Has long lasting effect - better than salt or urea
- * Breaks/inhibits bond between snow/ice and pavement
- * Creates a dry, powdery snow which improves traction

APPLICATION

- * Apply early in the storm to prevent snow/ice bonding
- * First application: Commercial = 15-20 lbs./1000 ft² (75-100 g/m²)
Highway = 300-400 lbs./lane mile (20-40 g/m²)
- * Wait at least 20 minutes to remove snow/ice
- * Re-apply when new snow/ice accumulation shows first tendency to pack (bond)

ENVIRONMENT

- * Biodegrades to CO₂ and H₂O
- * Calcium and magnesium increase soil permeability
- * Essentially non-toxic to aquatic species
- * Poor mobility in soil - unlikely to reach groundwater
- * Safe for vegetation
- * Does not contain nitrogen, sodium, or chlorides

HANDLING

- * May be stored indefinitely if kept dry
- * Take care to avoid caking caused by excess moisture
- * Excessive handling may cause dustiness

PRODUCT SPECIFICATIONS – CMA

COMPOSITION

Calcium Magnesium Acetate (CMA)
3:7 Ca to Mg molar ratio
Hydrated CMA 96% minimum
Inert Material 4% maximum

PARTICLE SIZE

<u>Sieve</u>	<u>% Passing</u>
4	90
14	10

SHAPE

Hard spherical pellet, or angular asymmetrical granules

BULK DENSITY

40 lbs./ft³ to 44 lbs./ft³
(0.65 g/cm³ to 0.79 g/cm³)

RESIDUAL BASE

Maximum 0.4 meg base/gm

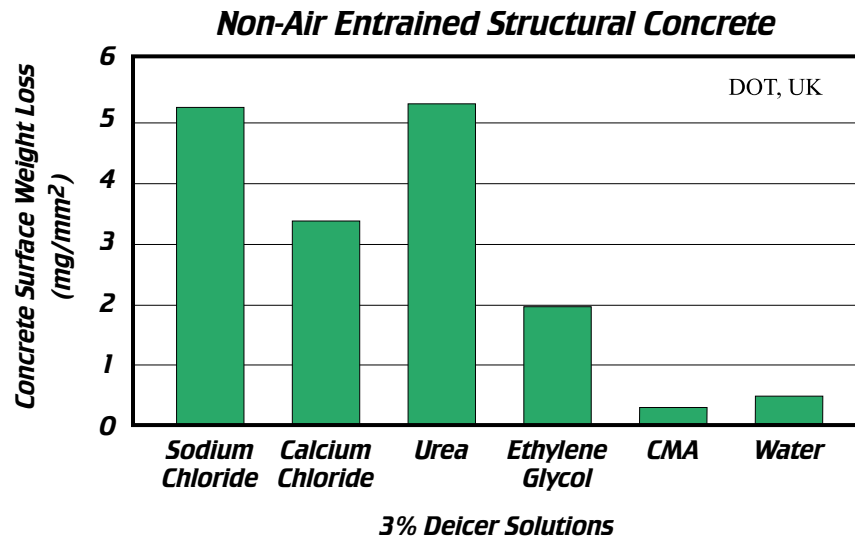
pH

8 to 10 in a 10% solution

PACKAGE SIZE

25 kg (55 lb.) paper bags
1000 kg (1 metric ton - 2205 lb.) Super Sacks

Spalling Effect of Deicers on Concrete



FOR ORDER INFORMATION CONTACT:
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