

# CRYOTECH CMA®

*Solid Commercial Deicer*

## Why CMA?

Cryotech CMA (calcium magnesium acetate) is a non-corrosive, biodegradable, environmentally safe replacement for chloride deicers and urea. It exhibits superior toxicological and corrosion properties. When used according to guidelines, CMA is an effective deicer that is safe for steel, concrete, groundwater, wildlife and vegetation.

## BENEFITS

- Chloride free
- Less corrosive than tap water
- Safest deicer for concrete
- Inhibits chloride corrosion
- Can be used on new concrete (dependent on quality), cured for at least 30 days
- Safer for pets
- Manufactured as a round pellet with less dust
- Complimentary customer training upon request

## PERFORMANCE

- Patented Unipel technology ensures uniform size, shape, and composition of each pellet with less dust
- Works best above 20°F (-7°C)
- Long lasting effects, better than chloride salts
- CMA weakens ice by changing its physical structure allowing it to be broken up and pushed away by traffic action making snow/ice easier to remove
- Requires fewer applications than other common deicers
- Prevents snow from packing for easy removal and improved traction
- Applies easily, can be used straight, mixed with salt or sand, and as a liquid

## ENVIRONMENT

- Safer for vegetation
- Low toxicity to aquatic species
- Increases soil permeability, calcium and magnesium are soil amendments
- Acetate readily biodegrades to carbon dioxide and water
- Minimal mobility in soil, unlikely to reach groundwater
- Does not contain nitrogen or chlorides

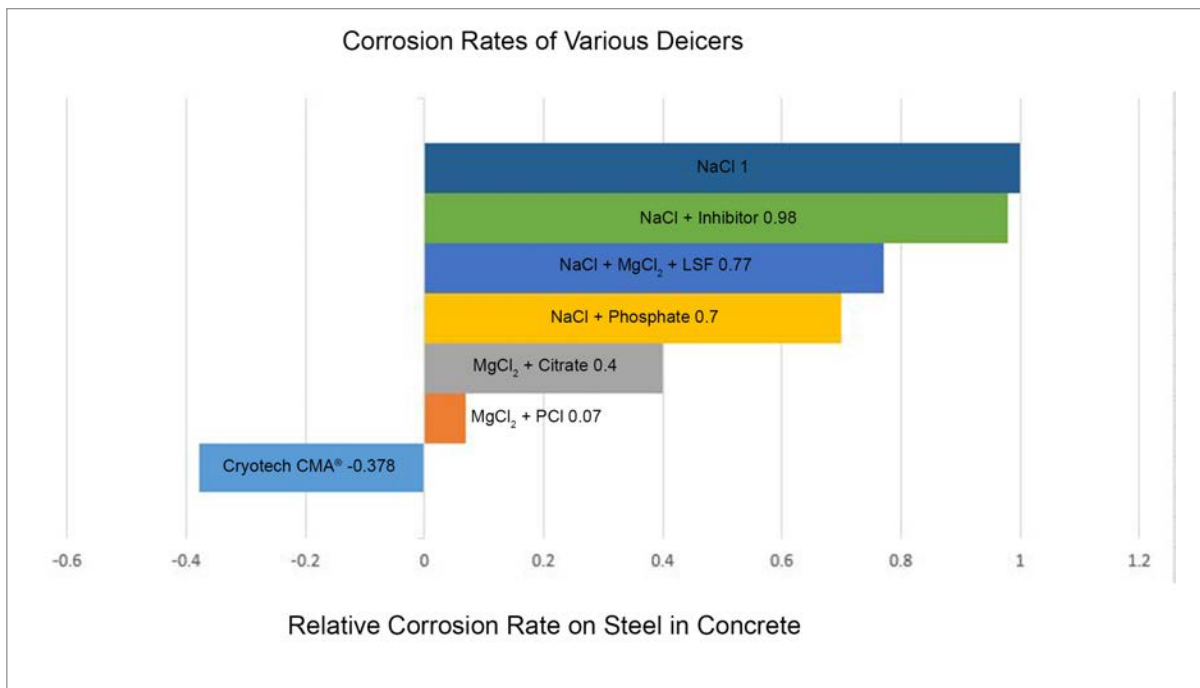
## APPLICATION

- Apply like salt
- Early application helps prevent snow/ice bonding
- Application rates vary with roadway type, surface condition, traffic action, cycle time, and level-of-service expectations. Start by applying as you would salt and adjust with experience.
- 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
- Expect good residual effect - even between storms



## PRODUCT SPECIFICATIONS

COMPOSITION		APPEARANCE	BULK DENSITY	PARTICLE SIZE	
Calcium Magnesium Acetate (CMA) 3:7 Ca to Mg molar ratio Hydrated CMA + other acetates - 96% minimum Inert Material - 4% maximum		White to off-white spherical pellet	Approximately 44 lbs/ft <sup>3</sup> (0.70 g/cm <sup>3</sup> )	Sieve:	Particle Passing:
				Tyler 4 Tyler 14	90% (wt) min 10% (wt) max
TYPICAL pH	INSOLUBLES	PACKAGING		HANDLING	
8 to 10 in a 10% solution	4% (wt) maximum	<ul style="list-style-type: none"> <li>55 lbs (25 kg) poly bags - 40 bag minimum</li> <li>2205 lbs (1000 kg) Super Sacks - 1 super sack minimum</li> <li>Bulk - 20 metric ton minimum</li> </ul>		<ul style="list-style-type: none"> <li>Store in original container</li> <li>Avoid excess moisture which may cause caking</li> <li>Preserve pellet integrity by not overhandling</li> </ul>	



### TO ORDER OR FOR PRODUCT INFORMATION CONTACT: