



# TECHNICAL DATA SHEET

## PRODUCT IDENTIFICATION

**Product Name**      **WINTER WARRIOR CMA ICEMELTER™**  
**Product Use**      De-Icer / Anti-Icer

## PRODUCT DESCRIPTION

Winter Warrior CMA Icemelter™ is made from 100% Calcium Magnesium Acetate (CMA). CMA is made of dolomite lime and acetic acid, and is perfect where corrosion or environmental issues are of concern.

## PERFORMANCE

**Effective:** Works down to -12°C (+10°F)

**Biodegradable:** Winter Warrior CMA Icemelter™ is made from 100% Calcium Magnesium Acetate (CMA). It is biodegradable, with low toxicity and very safe on the environment. Acetate biodegrades down to carbon dioxide water. Winter Warrior CMA Icemelter™

**Non-Corrosive:** Winter Warrior CMA Icemelter™ is chloride free and completely non-corrosive. For this reason, it is a great product to be used around areas containing steel or metal. It is commonly used on concrete roads and bridge decks for this reason. In fact, CMA is added to icemelters to act as a corrosion inhibitor.

**Green Building Compliant:** Winter Warrior CMA Icemelter™ does NOT contain any salts, chlorides, nitrogen or triazoles. It is a viable economical Green sustainable option for melting the ice, around Green eco-buildings.

## APPLICATION METHOD

Winter Warrior CMA Icemelter™ can be applied in its solid pellet form or can be made into a liquid. In pellet format, Winter Warrior CMA Icemelter™ should be applied at a rate of 75 - 100 grams per square metre (¼ - ½ cup per square yard / 15-20 lb per 1,000 square feet). It can also be mixed with salt and sand. To convert the product into a liquid format, simply dilute 25% product into 75% water. Liquid CMA is often used as an anti-icing agent.

## COMPOSITION

Winter Warrior CMA Icemelter™ is made from 100% Calcium Magnesium Acetate (CMA).

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid	<b>Appearance:</b>	White to Off-White Pellets
<b>pH Level:</b>	8 - 10	<b>Odour Threshold:</b>	Not Applicable
<b>Water Solubility:</b>	Partially soluble in water	<b>Odour:</b>	Odourless to Acetic (slight)
<b>Vapour Pressure:</b>	Not Applicable	<b>Vapour Density:</b>	Not Applicable
<b>Specific Gravity:</b>	1.2 (H <sub>2</sub> O=1)		

## STORAGE & HANDLING

<b>Respiratory Protection:</b>	If ventilation is not adequate, use a nuisance mask or respirator with dust filters.
<b>Skin Protection:</b>	Gloves optional.
<b>Eye/Face Protection:</b>	Chemical goggles or safety glasses optional.
<b>Handling Procedure:</b>	Wash hands after handling.



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icemelter