

DfE Designation. Environmentally Friendly.

A versatile anti-icing, de-icing and pre-wetting agent!



*Magic-O*TM liquid concentrate is a proprietary blend of magnesium chloride and agricultural by-products that have been EPA recognized as safer for the environment and authorized to carry the DfE emblem.

*Magic-O*TM is an economical and environmentally effective way to keep your roads safe! *Magic-O*TM allows for lower salt application rates and has less impact on the environment which leads to dramatic cost savings. *Magic-O*TM meets the stringent requirements of the PNS (Pacific Northwest Snowfighters) for corrosion, toxicity and performance.

(For more information visit: www.wsdot.wa.gov/partners/pns/resources.htm)

Product Overview

Safer Roads

- Improves winter road conditions and service levels
- Salt pretreated or prewetted with *Magic-O*TM works at lower temperatures than traditional dry salt
- *Magic-O*TM treated salt stays on the road better thereby reducing bounce and scatter
- *Magic-O*TM can safely be applied prior to a storm event (anti-icing) thus preventing a bond from forming between the pavement and the snow accumulation
- *Magic-O*TM has a residual effect that is far superior to other de-icers. This fact is attributed to the high viscosity of *Magic-O*TM reducing chloride brine runoff into the road shoulders
- *Magic-O*TM is ideal for treating black ice and clear weather frost on road and bridge surfaces
- *Magic-O*TM can also be used as a concentrate with salt brines to reduce corrosion, lower freeze points and increase working time
- Available in 205L drums, 1000L totes and bulk tank trucks



Proud Recipients of



Recognized for Safer Chemistry
www.epa.gov/dfc

READY WHEN NATURE STRIKES. GUARANTEED.

Typical Corrosion Performance

| Deicing Fluid | PNSDOT Relative Corrosion Rate |
|---|--------------------------------|
| Magic-0™ | 7.87 |
| Distilled Water | 0 |
| Rock Salt NaCl ₂ | 100 |
| Calcium Chloride (CaCl ₂) | 121 |
| Magnesium Chloride (MgCl ₂) | 80 |

Reduce Costs

- Saves Time, Labour, Fuel and Materials
- Lower working temperatures coupled with better adherence and residual effect results in a 20 - 40 percent salt savings
- Eliminates the need for sand: its cleanup and disposal
- Dramatically reduces the corrosivity of salt and its effect on equipment, chains, bearings, frames, brakes and electrical components

Typical Analysis

| | |
|-------------------|----------------|
| Solids | 40-42% |
| MgCl ₂ | 16% |
| Freeze Point | -36C/-33F |
| Specific Gravity | 1.289 |
| PH | 5.3 |
| Solubility | 99% |
| Appearance | Brown liquid |
| Odour | Sweet smelling |

Environmental Benefits

- Safer for use around animals and humans. Does not affect skin, leather, clothing or carpets
- Reduces the levels of sodium and chloride ion exposure to wells, vegetation and surface / groundwater
- Eliminates the need for sand, a major source of phosphorus and PM-10 contaminants
- Infrastructure Protection – *Magic-0™* protects roads and infrastructure by dramatically reducing corrosion rates



This product is (or includes) a patented product of Sears Ecological Applications Co., LLC and is manufactured under one or more U.S. Patents, including U.S. Patent No. 6,299,793 and related patents.

For more information on *Magic-0™* or our comprehensive solutions-based product line, please contact *innovative surface solutions* at **1-800-387-5777** or visit www.innovativecompany.com.

How To Order

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