



Technical Information

# CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer

**DESCRIPTION:**

CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer is an enhanced highway deicing salt product containing a corrosion inhibitor. It is a highly effective performer that provides superior protection against salt induced corrosion of exposed metal surfaces through its corrosion inhibitor, reduced scaling of concrete surfaces due to freeze/thaw cycling, and excellent deicing capabilities. This product caused significantly less scaling on concrete than plain salt (4% solution) on marginally air-entrained concrete as measured by ASTM Standard C-672 and over 50 freeze-thaw cycles in Cargill laboratory tests. Using this product may reduce highway and bridge maintenance costs.

**COMPLIANCE:**

CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer is not approved for human or animal consumption. It is intended for use only as a chemical deicer on roadways and thoroughfares. This product complies fully with ASTM Specification D 632-99 Type 1, Grade 1.

**ADDITIVES:**

CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer contains a patented corrosion inhibitor and Magnesium Chloride which enhances deicing capability.

**APPLICATION:**

CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer should be applied at the same rate as regular highway deicing salt.

**HANDLING AND STORAGE:**

CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer requires no additional handling, equipment or labor over and above that used for regular highway deicing salt. To improve caking resistance and reduce run-off, it is recommended that the product be stored in a covered storage shed or tarped. Normal precautionary measures for the safe handling of deicers should be observed.

**PACKAGING:**

CG-90<sup>®</sup> Surface Saver<sup>®</sup> anticorrosive deicer is available in bulk and 2000 lb mini-bulk bags.

**METHODS OF ANALYSIS:**

Methods of analysis are taken from the ASTM designations D 632-99 and E 534-98, from SHRP H205 and from Cargill. Corrosion measured on 3% solutions of deicers according to ASTM Standard G 31-72. Test method available on request.

**CHEMICAL ANALYSIS:**

Component	Units	Typical	Specification
Sodium Chloride	%	76.2	
Magnesium Chloride <sup>1</sup>	%	22.0	
Corrosion Inhibitors	%	1.8	

**SIEVE ANALYSIS:**

U.S.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
1/2"	0.500	12700	100	100 min.
3/8"	0.375	9525	97	-
4	0.187	4760	55	-
8	0.0937	2380	38	-
30	0.0232	590	8	15 max.

Note: Sieve analysis is reported as percent passing.

**PRODUCT BENEFITS:**

- Minimum % protection against salt induced corrosion 90 %
- Magnesium chloride component melts ice down to -25° F
- Reduces surface scaling of concrete due to freeze/thaw cycling.

<p><b>PRODUCING LOCATIONS: VARIOUS LOCATIONS ACROSS THE U.S.</b></p> <p><b>Material number 100011237</b></p> <p><b>No. 7703 Revised August 2013</b></p>
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**CARGILL DEICING  
TECHNOLOGY**

24950 Country Club  
Blvd. Ste 450  
North Olmsted, OH  
44070  
1-800-600-7258

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