



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 minibulk 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.	

PRODUCING LOCATIONS: VARIOUS LOCATIONS  
ACROSS THE U.S.

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### CARGILL DEICING TECHNOLOGY

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