



Technical Information

## Bulk Ice Control Salt

### DESCRIPTION:

Bulk Ice Control Salt is a coarse screened, translucent to white crystalline solid obtained from underground bedded salt deposits by physical mining. The salt is exploited by drilling and blasting with explosives in a manner similar to that used in other types of mineral mining. The mined salt is then crushed, screened and hoisted to the surface where it is stockpiled awaiting distribution as a highway deicing product.

### COMPLIANCE:

Bulk Ice Control Salt is not approved for human or animal consumption. It is intended for use only as a chemical deicer on roadways and thoroughfares. This salt complies fully with ASTM Specification D 632-99 Type 1, Grade 1.

### ADDITIVES:

Bulk Ice Control Salt may contain Yellow Prussiate of Soda, which is added to improve caking resistance.

### APPLICATIONS:

Bulk Ice Control Salt is intended for use as an ice and snow removal agent on highways and other roadways.

### PACKAGING AND SHIPPING:

Bulk Ice Control Salt is available only in bulk form. Bulk quantities are shipped by rail or truck.

### METHODS OF ANALYSIS:

Methods of analysis and product performance evaluation are taken from the ASTM designations D 632-99 and E 534-98.

### CHEMICAL ANALYSIS:

Component	Units	Typical	Specification
Sodium Chloride (dry basis) <sup>1</sup>	%	95.8	95.0 min.
Calcium & Magnesium (as Ca) <sup>1</sup>	%	1.1	-
Sulfate (as SO <sub>4</sub> ) <sup>1</sup>	%	2.7	-
Water Insolubles <sup>1</sup>	%	0.4	2.0 max.
Surface Moisture <sup>2</sup>	%	0.1	1.0 max.
Yellow Prussiate of Soda <sup>3</sup>	ppm	50	100 max.

<sup>1</sup>By difference of impurities before conditioning.

<sup>2</sup>110°C for 2 hours before conditioning.

<sup>3</sup>Optional anticaking agent (sodium ferrocyanide decahydrate).

### SIEVE ANALYSIS:

U.S.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
1/2"	0.500	12500	100	100 min.
3/8"	0.375	9500	98	95 - 100
4	0.187	4750	71	20 - 90
8	0.0937	2360	39	10 - 60
30	0.0232	600	11	15 max.

Note: Sieve analysis is reported as percent passing.

### BULK DENSITY:

Parameter	Typical	Specification
Pounds per Cubic Foot	75	71 - 79
Grams per Liter	1200	1135 - 1265

Note: Bulk density is reported as loose (uncompacted).

PRODUCING LOCATION: CLEVELAND, OH

No. 4700 Revised May 2007

### CARGILL SALT

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NOTICE: All of the above statements, recommendations, suggestions and data are based on our laboratory results, and we believe same to be reliable. Nevertheless, with the exception of data showing an express guaranty (such as in the case of products specifically designed for use as nutrient supplements), all such statements, recommendations, suggestions and data hereinabove presented are made without guaranty, warranty or responsibility of any kind on our part.