



# GUNTHER SALT COMPANY

Supplying Quality Salt Products Since 1902

## Bulk Ice Control Salt with YPS

### DESCRIPTION

Bulk Ice Control Salt with YPS is rock salt (mineral sodium chloride) that is direct-mined from natural deposits and then further processed for end use by crushing and screening. The bulk salt complies with ASTM D632 and AASHTO M 143 specifications for purity. The mined salt is screened to meet the particle size standards for Type 1 Grade 1 deicing salt. Bulk Ice Control Salt with YPS is treated with yellow prussiate of soda (YPS, sodium ferrocyanide) to impart immediate protection against caking and freezing.

### APPLICATION

Application rates are dependent on weather conditions. See the Salt Institute website ([www.saltinstitute.org](http://www.saltinstitute.org)) for general guidelines.

### CHEMICAL PROPERTIES

	Typical	Range
<sup>1</sup> Sodium Chloride (%)	98.7	>97.8
Calcium Sulfate (%)	1.28	<2.20
<sup>2</sup> Other Salts (%)	0.03	<0.15
<sup>3</sup> Moisture (%)	-	<0.5
Water Insolubles (%)	0.05	<0.12
Sodium Ferrocyanide (ppm)	60	<70

<sup>1</sup> By difference of impurities, moisture-free basis (ASTM), includes traces of potassium chloride (0.02%)

<sup>2</sup> Includes one or more of the following – calcium chloride, sodium sulfate, and magnesium sulfate

<sup>3</sup> At the mine

### PHYSICAL PROPERTIES - APPEARANCE

Bulk Ice Control Salt with YPS is a free flowing product that is naturally white to grey or tan in color with some dark particles.

### SIEVE ANALYSIS<sup>1</sup>

The actual particle size may vary from Type 1 Grade 1 specifications with handling at production stockpiles and with further handling of bulk salt shipped through distribution centers and stockpiles.

U.S.S. Mesh	Opening Millimeters**	% Retained*		Cumulative % Passing	
		Typical	Range	Typical	Range
1/2"	12.5	0	0	100	100
3/8"	9.5	0	<5	99	>95
4	4.75	20	<39	80	20-90
8	2.36	46	23-69	34	10-60
30	0.6	28	<60	6	<15
Pan	-	6	<15	-	-

<sup>1</sup> At Weeks, Louisiana

\* On individual screens.

\*\* 10 millimeters (mm), per centimeter; 25.4 millimeters per inch.

### MATERIAL CODE

F140010000Z

### STORAGE

Bulk Ice Control Salt with YPS should be stored indoors or under tarp.

### AVAILABILITY

Bulk Ice Control Salt with YPS is available in St. Louis, Missouri, in truck load quantities.

*These data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determines the suitability of our material and suggestions before adopting them on a commercial scale.*