



Product Specifications

(1) 60 Parts by Volume of 23% NaCl Solution and 40 Parts by Volume of Ice B’Gone Brine Concentrate

1.1 Heavy Metal Analyses

<u>Element</u>	<u>Concentration in Final Blend in ppm</u>	<u>PNS Requirement From Website 11-23-05</u>
Arsenic	Less than 0.40	5.00 ppm
Barium	1.13	100.00 ppm
Cadmium	Less than 0.10	0.20 ppm
Chromium	0.46	1.00 ppm
Copper	0.91	1.00 ppm
Lead	Less than 1.00	1.00 ppm
Mercury	Less than 0.05	0.05 ppm
Selenium	Less than 0.20	5.00 ppm
Zinc	1.40	10.00 ppm
Phosphorus	105.5	2500.00 ppm
Cyanide	Less than 0.05	0.20 ppm

1.2 Analysis

23% NaCl Solution	60 gals
Nedmag Solution	20 gals
Molasses	<u>20 gals</u>
Total	100 gals

Density	1.243 gms/ml
Weight per gallon	10.35 lbs

1.3 Composition by Weight

Total Chloride Salts	19.327%
Sodium Chloride	13.045%
Magnesium Chloride	6.282%
Ratio NaCl to MgCl ₂	67.496/32.504
Low Molecular Weight Carbohydrates	13.61%
Total Solids	37.4%

1.4 Freezing Point of Mixture

-29.5°C/-21.1°F

1.5 Chloride Salts Contents and Freezing Points

Total Chlorides %	Sodium Chloride %	Magnesium Chloride %	Freezing Point	
			°C	°F
0	0	0	0.0	32.0
1	0.67	0.33	-0.9	30.2
2	1.35	0.65	-1.8	28.8
3	2.02	0.98	-2.9	26.8
4	2.70	1.30	-4.0	24.8
5	3.37	1.63	-5.0	23.0
6	4.05	1.95	-6.1	21.0
7	4.72	2.28	-7.4	18.7
8	5.40	2.60	-8.6	16.5
9	6.07	2.93	-10.0	14.0
10	6.75	3.25	-11.2	11.8
11	7.42	3.58	-12.4	9.7
12	8.10	3.90	-13.6	7.5
13	8.77	4.23	-15.0	5.0
14	9.45	4.55	-16.6	2.1
15	10.12	4.88	-18.3	-0.9
16	10.80	5.20	-20.0	-4.0
17	11.47	5.53	-22.4	-8.3
18	12.15	5.85	-25.0	-13.0
19	12.82	6.18	-28.5	-19.3
* 19.33	13.05	6.28	-29.5	-21.1

*Mixture as received



- ...is safe to use around animals and humans. It does not affect skin, leather, clothing, or carpets. No special handling equipment is required .
- ...is water soluble and biodegradable.
- ...reduces the levels of sodium and chloride ion exposure to wells, vegetation, surface water.
- ...eliminates the need for sand, a major source of phosphorus and PM-10 contamination.

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