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PNS QPL Vendors:

Thank you for your patience! I'm sure many of you are aware of changes in management of the Pacific Northwest Snowfighters' Qualified Products List.

The PNS QPL has outgrown the Pacific Northwest region and is now being managed by the Clear Roads pooled fund for winter maintenance research (<https://clearroads.org/>). Moving forward, the QPL will be referred to as the Clear Roads QPL, or CR QPL. A committee is responsible for the day to day operations and many of the PNS states are on the committee, including representatives from the Midwest and Eastern U.S., where the services of the CR QPL are also desired. Please visit the new Clear Roads QPL site: <https://clearroads.org/qualified-product-list/>.

The committee is working to revise and document the processes that govern the management of the CR QPL. Some of these process revisions include:

- Managing products on the CR QPL with the addition of an 'Expiration Date', which for currently qualified products is December 31, 2024. More information is forthcoming.
- Revising the Chemical Products Specifications and Test Protocols document. The specifications and test methods aren't changing, but the document will be refreshed and reformatted for ease of use.
- Evaluating the CR QPL's Experimental Category in an effort to identify more appropriate product categorization.

We are hopeful that these updates to the management of the CR QPL will benefit the snow and ice community including state DOTs, cities, counties, and of course vendors. We believe the support from Clear Roads will serve us well through this transition. In the meantime, if you have questions, issues, concerns, please don't hesitate to reach out to any of the CR QPL subcommittee members. Contact information can be found on the CR website: <https://clearroads.org/qualified-product-list/>

Please also be aware that the PNS website is in the process of being reconfigured to promote the biennial snow and ice conference in the Pacific Northwest. Our next scheduled conference is the first week of June 2020.

Patti Caswell, Chair
Clear Roads Qualified Products List
(Oregon Department of Transportation)

Clear Roads Qualified Product List - PRODUCTS
Date of Listing: January 1, 2020



Category 1 - Corrosion Inhibited Liquid Magnesium Chloride

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Iceban 200*	Earth Friendly Chem.	8.4	26%	8/15/2002	12/31/2024
Caliber M1000 AP	Envirotech Services Inc.	20.8	28%	8/2/2004	12/31/2024
Meltdown with Shield AP	Envirotech Services Inc.	25.9	30%	8/2/2004	12/31/2024
Hydro-Melt Green	Cargill	24.3	28.5%	8/1/2005	12/31/2024
Meltdown APEX with Shield AP	Envirotech Services Inc.	25.1	30%	1/25/2006	12/31/2024
FreezGard CI Plus	Compass Minerals	12.2	30%	8/28/2006	12/31/2024
Ice B'Gone II HF	Sears Ecological Appl.	28.6	25%	8/9/2007	12/31/2024
FreezGard LITE CI Plus	Compass Minerals	12.3	27%	6/13/2011	12/31/2024
HydroMelt Liquid Deicer	Cargill	28	28.6%	8/15/2011	12/31/2024
FreezGard CI Plus Sub Zero	Compass Minerals	14.1	27.5%	10/11/2011	12/31/2024
Ice Ban 305	GMCO Corporation	25.3	26.6%	1/10/2013	12/31/2024
FreezGard 0 CCI	GMCO Corporation	21.2	30.0%	1/10/2013	12/31/2024
Meltdown Apex	Envirotech Services Inc.	22.4	30.0%	4/16/2014	12/31/2024
Meltdown Inhibited	Envirotech Services Inc.	24.1	30.0%	4/29/2014	12/31/2024
ProMelt MAG 30 INH	Innovative Surface Solutions	25.2	30.0%	7/31/2015	12/31/2024
ProMelt Ultra 1000 INH	Innovative Surface Solutions	28.2	27.0%	7/31/2015	12/31/2024
NexGen Torch	GMCO Corporation	25	30.0%	12/17/2015	12/31/2024
NexGen Liquid De-Icer	Paradigm Group	25	30.0%	5/12/2017	12/31/2024

Note-Iceban 200 was formerly Iceban Performance Plus M

Those products marked with an asterisk (*) indicates that the stratification can be seen and agitation is required.

Category 2 - Corrosion Inhibited Liquid Calcium Chloride

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Liquid Dow Armor	Dow Chemical	26	30%	6/25/1999	12/31/2024
Winter Thaw DI	Tetra Technologies	16.5	32%	9/13/1999	12/31/2024
Corguard TG	Tiger Calcium Services	27.7	29%	1/9/2001	12/31/2024
Road Guard Plus	Tiger Calcium Services	16	25%	6/5/2006	12/31/2024
Calcium Chloride with Boost (CCB)	America West	18.4	32%	4/10/2014	12/31/2024
Meltdown Apex-C	EnviroTech Services Inc.	24.5	29%	8/21/2015	12/31/2024
C1000 Pro	EnviroTech Services Inc.	28	27%	9/8/2015	12/31/2024

Category 3 - Non Corrosion Inhibited Liquid Calcium Magnesium Acetate

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Liquid CMA 25%	Cryotech	-11	25%	5/19/1998	12/31/2024
SC CMA 25%	Sure Crop Farm Services	-2.8	25%	9/13/1999	12/31/2024

Category 4 - Corrosion Inhibited Solid Sodium Chloride

Category 4A- Corrosion Inhibited Solid Sodium Chloride (Corrosion Percent Effectiveness of 30% or less)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Inhibited Ice Slicer	Envirotech	30	N/A	5/19/1998	12/31/2024
CG-90 Non-Phosphate 2.8%	Cargill	27	N/A	5/19/1998	12/31/2024
IMC CI SALT A 3.5	Compass Minerals	28	N/A	8/21/2001	12/31/2024
IMC CI SALT B 4.5	Compass Minerals	18.6	N/A	8/21/2001	12/31/2024
Clear Lane PNS Enhanced Deicer	Cargill	28.9	N/A	8/1/2005	12/31/2024
Ice Slicer Elite	Envirotech Services Inc.	16	N/A	8/1/2005	12/31/2024

Category 4B- Corrosion Inhibited Solid Sodium Chloride - Modified Gradation (Corrosion Percent Effectiveness 31% to 85%)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Ice Slicer RS	Redmond	80	N/A	10/13/2009	12/31/2024
Ice Slicer Super Blend Plus	Redmond	60.4	N/A	10/13/2009	12/31/2024

Category 4C- Corrosion Inhibited Solid Sodium Chloride - Standard Gradation (Corrosion Percent Effectiveness 31% to 85%)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Clear Lane Enhanced Deicer	Cargill	54.3	N/A	10/2/2015	12/31/2024
Ice Kicker	SaltWorx	50	N/A	7/5/2016	12/31/2024
SOS Treated Salt	Envirotech Services Inc.	66.4	N/A	5/12/2017	12/31/2024
Ice Slicer CB	Envirotech Services Inc.	61.3	N/A	5/12/2017	12/31/2024
Leed Melt G500	Leed Salt	67.7	N/A	6/6/2018	12/31/2024

Category 5 - Corrosion Inhibited Sodium Chloride Plus 10% Magnesium Chloride (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
CG-90 Surface Saver 10%	Cargill	15	N/A	5/19/1998	12/31/2024
Meltdown 10	Envirotech	30	N/A	5/19/1998	12/31/2024
Surface Saver PNS 10%	Cargill	27.2	N/A	8/21/2001	12/31/2024

Category 6 - Corrosion Inhibited Sodium Chloride Plus 20% Magnesium Chloride (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
CG-90 Surface Saver 22%	Cargill	26	N/A	5/19/1998	12/31/2024
Meltdown 20	Envirotech Services Inc.	27	N/A	8/8/2000	12/31/2024
Surface Saver PNS 20%	Cargill	22	N/A	8/21/2001	12/31/2024

Category 7 - Calcium Magnesium Acetate (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
CMA	Cryotech	-7	96%	5/19/1998	12/31/2024

Category 8 - Non Corrosion Inhibited Solid Sodium Chloride

CATEGORY 8A-B Standard Gradation, Brining Salt, Insoluble Material less than 1%, and Moisture less than 0.5%.

Product Name	Manufacturer			Date Approved	Expiration
DriRox Coarse Salt*	Compass Minerals			9/21/2012	12/31/2024
Bulk Coarse Solar	Morton Salt			4/21/2006	12/31/2024
Intrepid Coarse Salt	Intrepid Potash			6/3/2010	12/31/2024
Kiln Dry Coarse Salt	Broken Arrow			12/17/2015	12/31/2024
Salt	Surplus Salt			1/30/2019	12/31/2024

* Product was renamed from NASC Salt (Coarse). The product has been approved since 8/2000.

CATEGORY 8A-R Standard Gradation, Road Salt, Insoluble Material less than 10%, and Moisture less than 0.5%.

Product Name	Manufacturer			Date Approved	Expiration
Cargill Dry Salt	Cargill			6/1/1998	12/31/2024
Rocanville Standard	NSC Minerals			6/1/1998	12/31/2024
DriRox Coarse Salt*	Compass Minerals			9/21/2012	12/31/2024
Kayway Salt (Coarse)	Kayway Industries			12/23/2003	12/31/2024
Bulk Coarse Solar	Morton Salt			4/26/2005	12/31/2024
Ice Slicer Super Blend	Redmond Mineral			8/2/2006	12/31/2024
ISCO Bulk Rock Salt	K+S			6/23/2008	12/31/2024
Natural Alternative Ice Melt	NaturaLawn of America			5/17/2010	12/31/2024
Intrepid Coarse Salt	Intrepid Potash			6/3/2010	12/31/2024
Kiln Dry Coarse Salt	Broken Arrow			12/17/2015	12/31/2024
Vanscoy Coarse	NSC Minerals			12/5/2017	12/31/2024
Sodium Chloride	Independent Salt Co.			12/5/2017	12/31/2024
Bulk Rock Salt	Hutchinson Salt Co.			1/17/2018	12/31/2024
VS Rock Salt	Valley Salt Co			6/6/2018	12/31/2024
Bulk Deicing Salt	Lyons Salt**			9/12/2018	12/31/2024
Salt	Surplus Salt LLC			1/30/2019	12/31/2024

* Product was renamed from NASC Salt (Coarse). The product has been approved since 8/2000.

** Formerly Central Salt

CATEGORY 8B - Insoluble Material less than 10%, and Moisture less than 5.0%.

Product Name	Manufacturer		%Moisture	Date Approved	Expiration
Ice Slicer RS	Redmond Mineral		1.95	2/9/2003	12/31/2024
QwikSalt	Compass Minerals		2.54	6/30/2004	12/31/2024

Type C Treated Salt	Broken Arrow		2.94	8/2/2004	12/31/2024
SS-5.0	Shelton's Salt		0.90	9/16/2004	12/31/2024
Bulk Type C Road Salt	Morton Salt		2.63	4/26/2005	12/31/2024
ESSA Salt	ESSA		0.84	6/26/2007	12/31/2024
Rapid Thaw	Broken Arrow		2.49	3/4/2009	12/31/2024
Bulk Deicing Salt	Lyons Salt		0.24	6/24/2013	12/31/2024
Ice Kicker	SaltWorx		3.10	5/12/2017	12/31/2024
Ice Slicer CB	Envirotech Services Inc.		0.59	5/12/2017	12/31/2024
VS Rock Salt	Valley Salt Co		0.17	6/6/2018	12/31/2024

CATEGORY 8C-B Fine Gradation, Brining Salt, Insoluble Material less than 1%, and Moisture less than 0.5%.

Product Name	Manufacturer			Date Approved	Expiration
Rocanville Standard	NSC Minerals			3/1/2006	12/31/2024
Rocanville Fine	NSC Minerals			3/1/2006	12/31/2024
Rocanville Standard Road Salt	NSC Minerals			10/6/2006	12/31/2024
Medium Solar Salt	Compass Minerals			8/12/2009	12/31/2024
Mixing Solar Salt	Compass Minerals			8/12/2009	12/31/2024
Intrepid Medium Salt	Intrepid Potash			6/3/2010	12/31/2024
Kiln Dry Medium Salt	Broken Arrow			12/17/2015	12/31/2024

CATEGORY 8C-R, Fine Gradation, Road Salt, Insoluble Material less than 10% and Moisture less than 0.5%.

Product Name	Manufacturer			Date Approved	Expiration
Rocanville Standard	NSC Minerals			3/1/2006	12/31/2024
Vanscoy Standard	NSC Minerals			3/1/2006	12/31/2024
Rocanville Fine	NSC Minerals			3/1/2006	12/31/2024
Rocanville Standard Road Salt	NSC Minerals			10/6/2006	12/31/2024
Medium Solar Salt	Compass Minerals			8/12/2009	12/31/2024
Mixing Solar Salt	Compass Minerals			8/12/2009	12/31/2024
Intrepid Medium Salt	Intrepid Potash			6/3/2010	12/31/2024
Ice Slicer Near Zero	Redmond Minerals			12/3/2010	12/31/2024
Kiln Dry Medium Salt	Broken Arrow			12/17/2015	12/31/2024
Bulk Fine Salt	Hutchinson Salt Co			6/6/2018	12/31/2024

Category 9 - Corrosion Inhibited Liquid Sodium Chloride

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Salt Brine + Brine Cl	Cargill	25.4	23.3	8/12/2009	12/31/2024
Brine with Headwaters Inhibitor	Rivertop Renewables	25.6	22.5	11/24/2014	12/31/2024
Brine with Headwaters 10F Inhibitor	Rivertop Renewables	26.7	22.4	11/24/2014	12/31/2024

Category 10 - Corrosion Inhibited Liquid Sodium Chloride Plus Calcium Chloride

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
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TC Econo*	Tiger Calcium Services	20.5	20/2 ⁽¹⁾	8/12/2009	12/31/2024
Beet Heet Severe	K-Tech Specialty Coatings	21.1	15.3/5.4 ⁽²⁾	7/13/2011	12/31/2024
ESB	America West	21.0	18.8/2.3 ⁽³⁾	4/14/2014	12/31/2024
SO-CAL	Custom Spray Services	27.8	20.8/2.5 ⁽⁴⁾	4/14/2014	12/31/2024

1 - 20% NaCl and 2% CaCl₂

2 - 15.3% NaCl and 5.4% CaCl₂

3- 18.8% NaCl and 2.3% CaCl₂

4 - 20.8% NaCl and 2.5% CaCl₂

Category 11 - Corrosion Inhibited Liquid Chloride Blended Brines

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
Road Guard Plus*	Tiger Calcium Services	16	27 ⁽¹⁾	8/12/2009	12/31/2024
Road Guard TC	Tiger Calcium Services	21.3	32.1 ⁽²⁾	8/12/2009	12/31/2024
Road Guard XCEL	Tiger Calcium Services	20.3	33.2 ⁽³⁾	8/12/2009	12/31/2024
IB 7/93-Thermapoint	Millennium Roads	24	26.7 ⁽⁴⁾	5/1/2013	12/31/2024

1 - 25% Calcium Chloride and 2% Magnesium Chloride

1 - 27.3% Calcium Chloride and 4.8% Magnesium Chloride

2 - 28.5% Calcium Chloride and 4.7% Magnesium Chloride

4 - 17.8% Calcium Chloride, 5.4% Sodium Chloride, and 3.5% Magnesium Chloride

Those products marked with an asterisk (*) indicates that the stratification can be seen and agitation is required.

PNS Experimental Category - Approved Liquid Corrosion Inhibited Products

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved	Expiration
CF-7	Cryotech	0.0	50.0 ⁽¹⁾	6/20/2001	12/31/2024
CMAK	Cryotech	0.0	12.5/25 ⁽²⁾	6/20/2001	12/31/2024
NC 3000	Glacial Technologies	-3.5	25.0 ⁽³⁾	3/13/2002	12/31/2024
Alpine Ice-Melt	Nachurs Alpine Sol. Ind.	-4.8	50.0 ⁽⁴⁾	6/23/2008	12/31/2024
Fusion 60/40	Eco Solutions	22.1	15.0 ⁽⁵⁾	11/23/2009	12/31/2024
Beet Heet Concentrate***	K-Tech	14.8	21.7 ⁽⁶⁾	9/26/2012	12/31/2024
AquaSalina+	Nature's Own Source	26.4	22.5 ⁽⁷⁾	9/19/2013	12/31/2024
Isoway	Omex Environmental	-5.1	25.0 ⁽⁸⁾	4/15/2014	12/31/2024
Geomelt S7	SNI Solutions	25.9	18.1 ⁽⁹⁾	4/17/2014	12/31/2024
SOS AP***	Envirotech Services Inc.	21.0	26.0 ⁽¹⁰⁾	4/18/2014	12/31/2024
SOS Inhibited***	Envirotech Services Inc.	25.3	26.0 ⁽¹¹⁾	8/28/2014	12/31/2024
AQ+IceBite Liquid Brine Deicer	Nature's Own Source	11.4	20.4 ⁽¹²⁾	8/28/2014	12/31/2024
Ecolution Liquid Deicer	State Industrial Products	26.5	24.6 ⁽¹³⁾	8/28/2014	12/31/2024
Ice Bite S	Road Solutions Inc.	15.0	22.1 ⁽¹⁴⁾	10/21/2014	12/31/2024
XO-Melt ₂	K-Tech	22.9	24.5 ⁽¹⁵⁾	11/3/2014	12/31/2024
Biomelt AG7	SNI Solutions	26.3	18.3 ⁽¹⁶⁾	10/2/2015	12/31/2024
Green Blast***	Cargill	27.8	28.0 ⁽¹⁷⁾	10/2/2015	12/31/2024
SOS-C Inhibited***	Envirotech Services Inc.	24.7	29.1 ⁽¹⁸⁾	3/11/2016	12/31/2024
Husker Plus	Smith Fertilizer and Grain	10.2	54.0 ⁽¹⁹⁾	7/7/2016	12/31/2024
BetterBrine Pro powered by AMP	Envirotech Services Inc.	26.1	21.6 ⁽²⁰⁾	11/18/2016	12/31/2024
ProMelt Ultra 2000 Inh	Innovative Surface Solutions	29.6	24.0 ⁽²¹⁾	5/12/2017	12/31/2024
Magic Minus Zero (Concentrate)***	Innovative Surface Solutions	11.8	23.0 ⁽²²⁾	10/25/2017	12/31/2024
Magic Minus Zero (Brine Enhancer)***	Innovative Surface Solutions	23.1	22.9 ⁽²³⁾	10/25/2017	12/31/2024
Beet Heet Concentrate MN***	K-Tech	25.3	23.8 ⁽²⁴⁾	5/16/2018	12/31/2024
Beet 55+	Smith Fertilizer and Grain	13.0	20.0 ⁽²⁵⁾	2/1/2019	12/31/2024

PLEASE REFER TO THE FOLLOWING FOOTNOTES REGARDING SPECIFIC EXPERIMENTAL PRODUCT INFORMATION

- 1 - 50% Potassium Acetate
- 2 - 12.5% Calcium Magnesium Acetate and 25% Potassium Acetate
- 3 - The product contains a 25% Potassium Acetate concentration. The product also contains 30% Carbohydrate material which is still under consideration as an active ingredient but at this time has not be included.
- 4 - 50% Potassium Acetate
- 5 - 15.0% Sodium Chloride, blend of 60% Fusion/ 40% Salt Brine
- 6 - Total Chloride Salt Blend with CaCl₂-11.9%, MgCl₂- 3.4%, KCL-2.7%, NaCl-3.7% . Carbohydrate content-28.8%. ***Material approved as a pre-wet material to solid salt. Not for direct application as a liquid deicer.
- 7 - Total Chloride Salt Blend with CaCl₂-9.0%, MgCl₂- 2.5%, and NaCl-11.0% .

- 8 - 25% Potassium Acetate
- 9 - 18.1% Sodium Chloride, blend of 30% Geomelt 55/ 70% Salt Brine.
- 10 - 26.0% $MgCl_2$ with a thickening additive. ***Material approved as a pre-wet material to solid salt. Not for direct applications as a liquid deicer.
- 11 - 26.0% $MgCl_2$ with a thickening additive. ***Material approved as a pre-wet material to solid salt. Not for direct applications as a liquid deicer.
- 12 - Total Chloride Salt Blend with $NaCl$ -13.0% and $CaCl_2$ -7.4%, blended with 15% IceBite.
- 13 - Total Chloride Salt Blend with $CaCl_2$ -9.8%, $MgCl_2$ - 2.3%, and $NaCl$ -12.5% .
- 14 - 22.1% Sodium Chloride.
- 15 - Total Chloride Salt Blend with $CaCl_2$ -12.3%, $MgCl_2$ - 2.1%, and $NaCl$ -10.1% .
- 16 - 18.3% Sodium Chloride, blend of 30% Biomelt AG/ 70% Salt Brine.
- 17 - 28.0% Magnesium Chloride with a thickening additive. ***Material approved as a pre-wet material to solid salt. Not for direct application as a liquid deicer. Material becomes very viscous at near 0°F temperatures.
- 18 - Total Chloride Salt Blend with $CaCl_2$ - 26.9%, $MgCl_2$ - 2.2% ***Material approved as a pre-wet material to solid salt. Not for direct application as a liquid deicer.
- 19 - 54% Mixed Matrix Organic/Inorganic Salt Compounds.
- 20 - Total Chloride Salt Blend with $NaCl$ -18.2% and $MgCl_2$ - 3.4%
- 21 - 24% Magnesium Chloride
- 22 - 23% Magnesium Chloride. A 80/20 mixture of magnesium chloride with an organic agricultural product. Material resulted in a final pH of 4.1 as accepted by the PNS. ***Material approved as a pre-wet material to solid salt. Not for direct application.
- 23 - Total Chloride Salt Blend with $NaCl$ - 15.5% and $MgCl_2$ - 7.4%. This is a 70/30 blend of salt brine with the Magic Minus Zero Concentrate. Material resulted in a final pH of 4.5 as accepted by the PNS. ***Material approved as a pre-wet material to solid salt. Not for direct application.
- 24 - Total Chloride Salt Blend with $CaCl_2$ -15.2%, KCl -2.5%, $NaCl$ -6.1% . Carbohydrate content-26.7%. ***Material approved as a pre-wet material to solid salt. Not for direct application as a liquid deicer.
- 25 - Calcium 11.3%, sodium 5.5%, potassium 3.2% and less than 2% magnesium.

Clear Roads Qualified Product List - INHIBITORS

Date of Listing: January 1, 2020

Category A1 - Corrosion Inhibitor for Sodium Chloride Brine (Minimum 21% NaCl)

Product Name	Manufacturer	% NaCl		% Additive	Class	% Effectiveness	Date Approved	Expiration
ArctiClear CI Plus	Compass Minerals	21.2		5.0	1	21.3	12/3/2010	12/31/2024
Headwaters Corrosion Inhibitor	Rivertop Renewables	22.5		3.5	1	24.9	4/15/2014	12/31/2024
Shield GLT Plus	Paradigm Chemical	22.6		5.0	1	28.7	4/15/2014	12/31/2024
Headwaters 10F Corrosion Inhibitor	Rivertop Renewables	22.4		4.5	1	26.7	7/18/2014	12/31/2024
GLT-H	Paradigm Group	23.0		8.0	1	26.0	2/1/2019	12/31/2024
Ecoprotecht-NL	Eco-rrosion Technologies	21.7		7.0	1	21.6	1/1/2020	12/31/2024

Category A2 - Corrosion Inhibitor for Sodium Chloride and Calcium Chloride Brine (Minimum 15% NaCl & 2% CaCl₂)

Product Name	Manufacturer	% NaCl	% CaCl ₂	% Additive	Type/Class	% Effectiveness	Date Approved	Expiration
Boost SB	America West	18.8	2.3	20	1 / 2	21.0	4/14/2014	12/31/2024

Category A3 - Corrosion Inhibitor for Sodium Chloride (Minimum 15% NaCl)

Product Name	Manufacturer	% NaCl		% Additive	Class	% Effectiveness	Date Approved	Expiration
ArtiClear Gold	Compass Minerals	18.8		15	2	26.6	12/3/2010	12/31/2024
Beet 55 Concentrate	Smith Fertilizer & Grain	17.2		35	2	23.1	9/19/2013	12/31/2024
Geomelt 55	SNI Solutions	18.1		30	2	25.9	4/17/2014	12/31/2024
Biomelt AG	SNI Solutions	18.3		30	2	26.3	10/2/2015	12/31/2024
AMP	Envirotech Services	18.2		20	2	26.1	4/4/2016	12/31/2024