

Product Evaluation

RE: Review of MeltDown Liquid De-icing and Anti-Icing

PRODUCT

MeltDown Liquid De-icing and Anti-Icing is manufactured by Envirotech Services Limited located in Spokane, Washington and distributed by Kortech Calcium Services Limited located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

MeltDown Liquid as a anti-icer applied prior to a storm can help prevent snow and ice from bonding to the road surface. MeltDown as a de-icing Liquid may help in melting accumulated snow and ice pack. Product web site: http://www.envirotechservices.com/docs/pdf/products/Meltdown_Liquid_Brochure.pdf

DESCRIPTION

MeltDown Liquid is a Magnesium Chloride liquid Anti-icer/De-icer.

POTENTIAL USAGE

MeltDown Liquid De-icing and Anti-Icing is recommended to be used for winter road maintenance. Meltdown has a low eutectic point that works effectively in a wide variety of temperature ranges. MeltDown has a greater ability to dilute and hold water before refreezing. MeltDown is safer for use around plants and animals as well as being less harmful to road surfaces and metals when used as recommended.

STANDARDS

MeltDown Liquid De-icing and Anti-Icing meets or exceeds all the purity requirements as set by the Pacific Northwest Snow Fighters (PNS) specifications.

ALBERTA TRANSPORTATION COMMENTS

EXPIERENCE

Alberta Transportation has used anti-Icing liquids for stockpile treatment.

APPLICATION STANDARDS

The Alberta Transportation Specifications for ice control are:

- Specification 52.5, Sodium Chloride Treated Sand
- Specification 52.6, Calcium Chloride Treated Sand
- Specification 52.8, Supply of Sodium Chloride (Salt)

RECOMMENDATIONS

MeltDown Liquid De-icing and Anti-Icing be listed as a Trial Product under the Alberta Transportation's Products List, De-Icing Chemicals – Proprietary based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

Carillion Highway Services – CMA 7 and CMA 8, used as pre-wet liquid

Joe Filice

cc New Product Evaluation Committee – Roger Skirrow
Jim Poole
Jim Gavin
Don Snider