

Product Evaluation

RE: Review of Road Guard Eco Plus

PRODUCT INFORMATION

Product Name: Road Guard Eco Plus
Website: www.tigercalcium.com

Manufacturer: Tiger Calcium, Nisku, AB
Supplier: Tiger Calcium, Nisku, AB

VENDOR CLAIMS AND INFORMATION

CLAIMS

Road Guard Eco-Plus aggressively melts snow and ice down to -32°C, perfect for harsh North American winters. Containing a highly effective blend of corrosion inhibitors, Road Guard Eco-Plus protects your infrastructure, equipment and concrete road surfaces while delivering the highest quality winter road management. It is an improved version of Road Guard Plus.

DESCRIPTION

Road Guard Eco-Plus is a corrosion inhibited liquid calcium chloride solution. It's typical composition and physical properties are as following:

Active Chlorides (Ca+Mg as CaCl₂) ≥29%, Calcium Chloride ≥25%, Magnesium Chloride ≥3%,
Sodium Chloride ≤2%, Relative Density (SG) at 15.6degC 1.31 to 1.33, Corrosion Rate ≤30%,
Effective Ice Melting Temperature is -32degC.

POTENTIAL USAGE

Road Guard Eco-Plus is used for anti-icing and de-icing pre-wetting applications in moderate to extreme winter conditions.

STANDARDS

Not Applicable

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has used anti-icing liquids for stockpile treatment.

APPLICABLE STANDARDS

Transportation and Economic Corridors 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

Clear Guard Advanced be listed as a Potential Product under Transportation and Economic Corridors Products List, De-icing Chemicals – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: The application rate and the mixing rate depends on temperature and for the type of use, such as Anti-icing, Pre-wetting, or Stockpile treatment. Applicator will need to follow manufacturer's recommended ratio of Fusion and brine mixed solution. This product should not be applied within 300m from water bodies.

TRIAL PROJECTS

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