

Product Evaluation

RE: Review of Fusion Liquid Deicer

PRODUCT INFORMATION

Product Name: Fusion liquid deicer
Website: https://eco-solutions.net/

Manufacturer: Eco Solutions, Milton, ON
Supplier: Mountain Side Earthworks Ltd. (DBA Mountain Side Environmental Solutions) Tappen, BC

VENDOR CLAIMS AND INFORMATION

CLAIMS

Fusion Liquid Deicer is a sugar beet deicer which is non-staining, less corrosive and allows for less product use while still achieving the same if not better results.

DESCRIPTION

Fusion liquid deicer mixes with all brines to enhance performance and lower operating temperature. Mixing ratio can be determined based on the temperature and on the application rate.

POTENTIAL USAGE

Fusion liquid deicer can be used to treat existing salt or sand stockpiles and/or chloride brines to improve performance and impact on the environment. It can be applied directly on the surface as well before the storm to prevent ice from bonding to the surface.

STANDARDS

Not Provided

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has no experience with this product.

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

Fusion Liquid Deicer 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

Rishi Adhikari

cc New Products Evaluation Group – Kristen Tappenden,
Abbas Syed, Kenneth Mulhall, Bradley Maguire, Dominique Grell