

Product Evaluation

RE: Review of Snow-removing Liquid (JF-88)

PRODUCT

Snow-removing Liquid (JF-88) is manufactured by Joyful Future company, located in Icheon City, South Korea and distributed by Korean Society of Metropolitan Windsor located in Windsor, Ontario.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Snow-removing Liquid (JF-88) minimizes the environmental effects of the existing materials used such as calcium chloride and sodium chloride and improves the function of snow-removing. The use of Snow-removing Liquid (JF-88) prevents re-freezing even at temperatures of minus 20° Celsius.

DESCRIPTION

Snow-removing Liquid (JF-88) composition includes potassium acetate of approximately 10% to approximately 20% by weight; disodium succinate of approximately 3% to approximately 10% by weight; dipotassium succinate of approximately 1% to approximately 5% by weight; ethylene glycol of approximately 5% to approximately 10% by weight; ethanol of approximately 5% to approximately 15% by weight and an aqueous polyvinyl alcohol solution of approximately 40% to approximately 70% by weight.

POTENTIAL USAGE

Snow-removing Liquid (JF-88) is environmentally friendly by not containing chloride ions. The composition of the Liquid (JF-88) deicer can be conveniently stored and easily sprayed, the freezing point of JF-88 is -40° Celsius.

STANDARDS

None submitted

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

Snow-removing Liquid (JF-88) be listed on Alberta Transportation Products List under Deicing Chemicals, Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

“Consideration to the proximity of Bridge Structures when applying this product”

TRIAL PROJECTS

Joe Filice

cc New Product Evaluation Committee – Roger Skirrow
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