

Product Evaluation

RE: Brooks 35 GT

PRODUCT INFORMATION

Product Name: Brooks 35 GT

Manufacturer: NSC Minerals LTD, Saskatoon

Website: <https://nscminerals.ca/Calcium-Chloride>

Supplier: NSC Minerals LTD, Saskatoon

VENDOR CLAIMS AND INFORMATION

CLAIMS

Brooks 32 and Brooks 35 are derived from a natural, multi-chloride liquid brine formed under temperature and pressure 6,000 feet below the southern Alberta prairies providing unique synergies. Brine is pumped to the surface where it is put through an evaporation process to increase its strength. This environmentally sensitive, premium organic additive (GT) added to the brine solution provides a wide range of benefits. For summer dust abatement, it improves road compaction and reduces wash boarding, while significantly reducing the environmental impact on nearby vegetation. For winter operations, it increases the product's viscosity, reducing the potential for runoff. It also provides corrosion inhibition which reduces its impact on vehicles, maintenance equipment, and road infrastructure.

DESCRIPTION

Brooks 35 is derived from natural brine solution and then evaporating to obtain desired concentration of active chlorides, namely magnesium and calcium chloride, resulting in a higher strength product that increases its performance. Corn-based carbohydrate additive (GT additive) is added to the Brooks 35.

POTENTIAL USAGE

Brooks 35 GT is intended to be used for dust abatement, winter de-icing & anti-icing, and pre-treating sand for de-icing.

STANDARDS and TESTS

Laboratory test report for different chemicals

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has no experience with this product.

APPLICABLE STANDARDS

Specification 52.6 Calcium Chloride Treated Sand.

Specification 53.31 Supply and Apply Dust Abatement.

RECOMMENDATIONS

Brooks 35 GT be listed as a Potential Product under Transportation and Economic Corridors Products List, Dust Abatement – Proprietary and also be listed as a Potential Product under 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:

TRIAL PROJECTS

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