



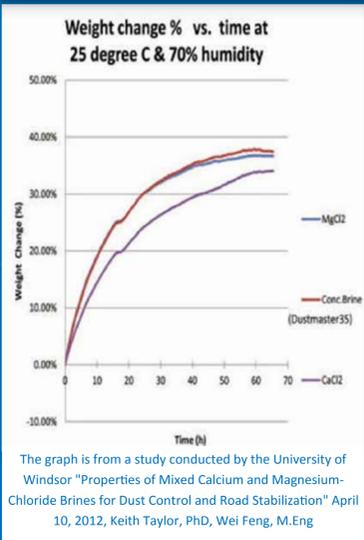
DM 35

Calcium Chloride supplemented with Magnesium Chloride as a proprietary liquid blend for Snow & Ice Management as well as Dust & Sedimentation Control

The formulation strategy for DM 35 focused on optimizing field performance across a range of conditions and applications bringing to bear the beneficial characteristics (exothermic, hygroscopic, diverse molecular size) of two exceptional chlorides in a single solution.

Studies comparing the moisture uptake of DM 35 with 30% Magnesium Chloride and 35% Calcium Chloride have established that DM 35 exhibits a very similar ability to absorb and retain water, while achieving the greatest uptake in weight (moisture) in certain conditions compared to the more basic solutions.

Synonymous with other refined chloride solutions, DM 35 is adjusted to an appropriate concentration for low temperature storage and snow and ice applications. This prevents the solubility issues brought forth by the high concentrations of chloride while ultimately achieving a freeze point below -35 degrees F.



BNO CERTIFICATE
Bureau de normalisation du Québec
No.: 1707 Expiry date: 2026-05-31
Standard: BNQ 2410-200/2009-10-01
Products Used as Dust Control Agents for Non-Asphalted Roads and Other Similar Surfaces
Certification protocol: BNQ 2410-900/2010-01-12

The Bureau de normalisation du Québec (BNO), having recognized the ability of the holder to manufacture the following products in conformity with the requirements of the standard and certification protocol mentioned herein.

Products used as dust control agents for non-asphalted roads and other similar surfaces (see annex to the certificate)

Hereby issues this certificate to: **TRILLIUM DISTRIBUTION INC.**
2351 Greenfield Road
Courtright, Ontario N0N 1H0

In accordance with the rules set out in Document BNQ 9902-001.

In witness whereof, we have signed in Québec City, on May 15, 2024.

Hicham Madyani, P.Eng., MBA,
Director of Operations

The validity of this certificate of conformity can be verified at www.bno.ca/fr/verification-certificat

Product Accepted for Use

Date: August 28, 2012
Company Name: Polished Highway Products
Product: DustMaster 35

This is to confirm that the Ontario Provincial Standards (OPS), Products Management Committee (PMC) has received your submission for the above product and has determined that the product will receive an "ACCEPTED FOR USE" classification. The Road Authority (TRA) has received direction from PMC to add the following to the product profile on the public website (www.roadauthority.com):

Product is defined as currently meeting the requirements of recognized specifications or standards (such as ASTM A646, CSA, CAN, etc.) and/or is currently approved for use in Canada. Acceptable change in product composition or formulation must be approved by the Road Authority (TRA) as a condition of continued use. Products approved only for use on the roadways are not included in this category.

The "Accepted for Use" logo provides a guideline for purchasers seeking to confirm the ability of manufacturers and suppliers to provide products meeting the required standards and specifications. This acceptance is a certificate decision and does not represent acceptance by any individual infrastructure owner. The use of any product will be at the discretion of the specifier (owner or owner's agent).

This acceptance does not constitute a general endorsement of the product nor provide any guarantee of performance or quality. It is incumbent upon the proponent of the product to ensure that all quality standards and requirements are met. In addition, you are required to notify the PMC Coordinator of any proposed changes to the product. This includes changes to the design, manufacturing process, quality control plan, materials used and manufacturing location. Any changes not conveyed to PMC could result in the withdrawal of the classification of your product.

Companies wishing to publicize their classification status may only refer to the decision of the PMC as:

"THIS PRODUCT HAS RECEIVED AN 'ACCEPTED FOR USE' CLASSIFICATION FROM THE ONTARIO PROVINCIAL STANDARDS (OPS), PRODUCTS MANAGEMENT COMMITTEE (PMC)." Any advertising or communication other than the above is prohibited and could result in withdrawal of your classification status by PMC.

Any questions or comments should be forwarded to:
Ontario Provincial Standards, PMC Coordinator,
C/O The Road Authority, 400
Brimley, Ontario L4M 5A5
Tel: (905) 453-0202 Fax: (905) 453-4122
Email: info@roadauthority.com
Web site: www.roadauthority.com

The Road Authority - TRA Form 7a
Updated: Jan 01, 2003

ONTARIO PROVINCIAL STANDARD SPECIFICATION

OPSS/MUNI 2501
November 2017
(Formerly OPSS 2501 April 2015)

TABLE 1
Calcium Chloride Properties

Material/Property	Calcium Chloride Solution		Test Procedure
	Dust Suppressant	De-Icing	
Total Settleable Solids	-	<1% (Note 1)	PNS Test Method C
Corrosion Inhibitor	-	Minimum 70% less corrosive than Sodium Chloride	PNS Test Method B
pH (Note 2)	6 to 9	6 to 9	ASTM D 1293

Notes:
1. 99% of the solids passing through a 2.00 mm sieve after being stored for 168 hours at -29 ± 1 °C.
2. Dilute 1 part product to 4 parts distilled water before attempting a reading.

TABLE 2
Calcium Magnesium Chloride Blend Properties

Material/Property	Calcium-Magnesium Chloride Blend		Test Procedure
	Dust Suppressant	De-Icing	
Calcium Chloride (CaCl ₂), % minimum by mass	27.0	22.0	ASTM E 449
Magnesium Chloride (MgCl ₂), % minimum by mass	As required for total CaCl ₂ equivalence (Note 1)		ASTM E 449
Total CaCl ₂ equivalence, % minimum by mass	35.0	29.0 (Note 1)	(Note 1)
Other Anion Chlorides: NaCl, KCl, % maximum by mass	2.0	1.75	ASTM E 449
pH (Note 2)	6 to 9	6 to 9	ASTM D 1293
Corrosion Inhibitor	-	Minimum 70% less corrosive than Sodium Chloride	PNS Test Method B

Notes:
1. Total CaCl₂ equivalence = % CaCl₂ + (% MgCl₂ x 1.166).
2. Dilute 1 part of product to 4 parts distilled water prior to attempting a reading.

While new to the US Market, DM 35 has proven performance in tough environments and comes with the credentials to prove it.