



TIGER CALCIUM

Formula 35

PREMIUM DUST CONTROL

As Canada's leader in summer road management, we understand the importance of environmentally-responsible dust abatement to ensure driver's safety while still managing the total costs of road maintenance.

Tiger Calcium's Formula 35 Premium Dust Control is a liquid calcium chloride formula specifically developed for optimal dust control and road stabilization. Containing the industry leading standard of 35% active chlorides, Formula 35 Premium Dust Control is a highly effective dust abatement and soil stabilization solution that also helps protect road bases from freezing and frost heaving.

Dust from gravel roads can restrict visibility for drivers presenting a safety hazard, reducing air quality and contaminating surrounding vegetation. This leads to increased road maintenance costs due to more frequent grading, the loss of aggregate material and frost heaving. Thanks to its hygroscopic properties Formula 35 reduces dust and stabilizes soil by keeping the surface damp longer, binding the fine particles of dust together and contributing to better compaction of the road material. Roads treated with Formula 35 are more stable and have a decreased rate of deterioration resulting in a reduction in the costs associated with maintenance and the reapplication of aggregate.

Reliability

At Tiger Calcium we manufacture our own products and are proud to be one of the largest producers of calcium chloride in North America. Operating from the largest known reserve of naturally occurring calcium chloride, we handle all areas of production which, in conjunction with our dedicated truck transportation fleet, rail fleet and network of storage facilities across western Canada enables us to produce a consistently superior product throughout the season with availability to meet the demands of our customers.

Quality

Tiger Calcium Services maintains an industry-leading, best-in-class quality control process that ensures every liter of Formula 35 Premium Dust Control meets the highest standard of excellence.

As our calcium chloride brine is processed it is filtered multiple times to remove impurities resulting in a contaminant-free, clear brine.

Tiger employs consistent batch-by-batch quality testing on all products. Samples are continuously tested for concentration based on a temperature correction to 15.5°C. The entire operation is completed in our processing plant with the finished product stored in closed-top holding tanks at our facility ensuring the purity of the product.

In addition to internal quality control measures, products are regularly sent to an accredited independent lab for analysis and verification. This ensures our Formula 35 Premium Dust Control consistently meets all required

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Reliability • Quality • Expertise



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specifications including environmentally acceptable concentrations of heavy metals. Only after confirmation that the product meets specifications do we ship to customers.

Customer delivery requirements are met using Tiger Calcium’s own truck and rail fleets giving us the most flexibility to allow timely and efficient product delivery. These units exclusively haul Tiger product ensuring there is no cross-contamination with other products that could interfere with performance or pose an environmental risk.

Tiger Calcium’s Formula 35 Premium Dust Control is recognized as an Approved Product for Dust Control by both Manitoba and BC Transportation departments. Formula 35 has passed their stringent lab testing requirements for use on provincial Infrastructure and Transportation projects.

Expertise

For over 40 years Tiger Calcium Services has had an excellent record of service and product performance in North America. Throughout our long history of supplying calcium chloride to our customers there have been thousands of deliveries made, with Formula 35 Premium Dust Control being expertly applied to millions of square meters of roadway, using precise metered spray technology to ensure always accurate application rates

As the leading supplier and applier of dust control solutions, Tiger is uniquely qualified to advise your local team on dust control and road stabilization techniques that both deliver exceptional results and ensure the most efficient, lowest cost approach to achieving your desired outcome. When paired with our Formula 35 product, our experience with application methods can drive as much as 10% total cost savings to your application process driving unrivaled value for your road maintenance program.

Composition		Physical Properties	
Calcium, Ca ²⁺	11.9% ± 1.1	Specific Gravity @ 15.6°C	1.36 ± 0.01
Magnesium, Mg ²⁺	1.0% ± 0.3		
Sodium, Na ⁺	0.5% ± 0.1		
Potassium	0.7% ± 0.2		
Calcium Chloride, CaCl ₂	33.0% ± 3.0		
Magnesium Chloride, MgCl ₂	4.0% ± 1.0		
Sodium Chloride, NaCl	1.3 ± 0.3		
Potassium Chloride	1.3 ± 0.3		

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