



# Premium Dust Control

## Dust Control and Base Stabilization

- Before application of Tiger Calcium products on gravel roads the following guidelines are recommended to get the maximum benefit from the application:
- **Application Tips for Dust Control**
- The gravel must have a good gradation – particularly a good percentage of fine material with some plasticity (typical 10 –30% fines).
- The road must have a good crown (3-4%) in the driving surface and good shoulder drainage.
- It is essential to loosen about 2 cm of the existing surface and leave it loose at a uniform depth across the roadway.
- Calibrate the spraying system and select an appropriate application rate.
- Uniformly apply calcium chloride solution and if feasible, compact the road.
- New material should be treated minimum 50% heavier than previously treated material and at least an additional 1 liter per square meter added for every additional 7-8 cm of new gravel.
- For best results pre-wet the road to facilitate full absorption of product into road especially in extremely hot weather conditions.
- Add a second application later in the summer.

## Preparation Tips for Base Stabilization

- Grade roadway to remove the deepest potholes and to maximize penetration of the product.
- Add additional gravel (clay fines: min. 10%, max. 30%) to provide an adequate wearing surface.
- Compact road if the loose material on the surface is more than 5cm deep.
- Final grading should be done with a 3-4% crown for adequate drainage of water.
- Ensure adequate drainage in ditches to prevent water from ponding along road.
- For best results pre-wet the road to facilitate full absorption of product into road especially in extremely hot weather conditions.

\*Programs may need to be adjusted for best results, based on road material, traffic, volumes, weather etc.

### Tiger’s Brine Application Rates

% of Active Ingredients	29%	32%	35%	38%
Rate for Heavy Traffic, liter/m <sup>2</sup>	2.4	2.2	2.0	1.8
Rate for Stabilization, liter/m <sup>2</sup>	3.0	2.8	2.5	2.2

Reliability • Quality • Expertise

sales@tigercalcium.com

Suite 740, 1015 – 4<sup>th</sup> Street SW | Calgary, AB T2R 1J4 | Phone 1-403-930-4685 | Fax 1-780-955-0278

[www.tigercalcium.com](http://www.tigercalcium.com)



Premium Dust Control

Reliability • Quality • Expertise

[sales@tigercalcium.com](mailto:sales@tigercalcium.com)

Suite 740, 1015 – 4<sup>th</sup> Street SW | Calgary, AB T2R 1J4 | Phone 1-403-930-4685 | Fax 1-780-955-0278

[www.tigercalcium.com](http://www.tigercalcium.com)