IRRIDAN
Road stabilization & Dust control

Erthbind™ 100 vs. Calcium & Magnesium Chlorides

When compared to calcium or magnesium chloride:

- Erthbind 100 does not wash off with rain rainwater as the chlorides do
- Erthbind 100 is a binder that glues soil particles together. Erthbind 100 is not hydroscopic therefore does not require humidity to control dust as chlorides do.
- Erthbind 100 does not get sloppy or slippery under wet conditions as the chlorides can.
- Erthbind 100 requires 3 to 5 times less concentrated product on moderately traveled roads when compared to chlorides.
- Erthbind 100 is specifically formulated and manufactured to be a dust control palliative. It is not a byproduct or "waste" product such as chlorides.
- Erthbind 100 weighs 23-28% less than calcium or magnesium chloride, reducing shipping costs and storage requirements.
- Erthbind 100 is formulated with surfactants which help break road surface tension, eliminating the need to pre-water a road prior to application. Chlorides typically require a pre-water application.
- Erthbind 100 is not considered to be corrosive. Chlorides are.
- Erthbind 100 does not harm vegetation or impact surface or ground water such as calcium chloride and magnesium chloride have been reported to do.
- Erthbind 100 does not attract animals to the road. Some animals may be attracted to the salts in chloride treated roads. Larger mammals attracted to a road can be traffic hazards.
- Erthbind 100 can accumulate over several applications. Yearly maintenance applications require less product because of this build up. Chlorides can wash off the surface.
- Erthbind 100 makes a road water resistant. In humid regions, chlorides have been shown to cause road material to hold water. A gravel or dirt road's most typical problems are caused by water. Typical problems include rutting, soft spots, depressions, and potholes.