



### **Erthbind100 vs. Lignin**

When compared to Lignosulfonates (Lignin):

- Erthbind 100 is not water soluble and therefore does not wash off with rain rainwater as the lignosulfonates do.
- Erthbind 100 requires 3 to 5-times less product concentrate for dust control on moderately traveled roads when compared to lignosulfonates.
- Erthbind 100 does not “track” under wet conditions as lignosulfonates do.
- Erthbind 100 is specifically formulated and manufactured to be a dust control palliative. It is not a byproduct or “waste” product like lignosulfonates.
- Erthbind 100 weighs 10-20% less than lignosulfonates 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. Lignosulfonates typically require a pre-water application.
- Erthbind 100 is not considered to be corrosive. Lignosulfonates are corrosive and are known to attack welded joints in steel and aluminum tanks and plumbing.
- Erthbind 100 does not attract animals to the road. Some animals are known to be attracted to the sugars in lignosulfonate. 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. Lignosulfonates can wash off the surface and require regular maintenance shots.
- Erthbind 100 is a storage stable product. Lignosulfonates are known to acquire microbial infections which cause fermentation and product expansion resulting in inconsistent product density and possible tank overflow.
- Erthbind 100 availability is stable. Lignosulfonates are a by-product that can come from several different sources with varying quality, consistency and availability.