Lignosulfonate is an alternative to road chlorides for dust control.

It is a naturally occurring polymer found in wood and works by binding the road surface particles together. Water evaporates from the lignosulfonate as it dries, and the dust particles are trapped by the high-viscosity, naturally sticky material.
Performance

Extensive studies have been conducted to evaluate the effects of lignosulfonates on the environment. Results show that they are not harmful to plants, animals or aquatic life when properly manufactured and applied. Lignosulfonates have been used as a treatment for dirt roads in Europe and the U.S. since the 1920s.

Toxic levels of lignosulfonates in surface water have been established and confirm that concentrations must be relatively high before fish and other organisms are affected. It is good practice to limit any dust control product application near water runoff into waterways. In addition, over time some of the lignosulfonates become completely insoluble due to solar heating.

Features and Benefits
• Fast acting product which allows the road to stay open
• It is non-hygroscopic, creating a long-lasting product
• Creates safer roads and driving conditions
• Reduces dust to a PM10 standard resulting in cleaner air
• It is environmentally safe for sensitive areas

Uses & Application

Generally lignosulfonates are associated with dust control and surface stabilization for roads. They are used as binders, dispersants, emulsifiers and sequestrates in a host of products such as gypsum board, animal feed pellets and micronutrient systems.

Lignosulfonate can be used on the following surfaces:
• Unpaved state, county and township roads
• Federal/State Parks
• Mine haul roads
• Construction site haul roads
• Forest/timber haul roads
• Quarries/mines
• Military roads
• Agricultural roads
• Parking lot surfaces
• Tree/flower/shrub nurseries
• Orchards
• Private and rural roads
• Industrial and federal project roads
• Construction staging areas
• Airfields and helicopter pads
• Feedlots

Testimonial

“EnviroTech has provided us with Tembec Lignin, which based on regular season use, has proven to perform better than other leading Lignins we have before used.”
John Wood; Woody's Dust Control; Rudd, IA