



SAFE BIND®

Words From Clients

"We have used this now for three years on our higher volume gravel roads. We have been able to reduce grading them to once in the spring and then again just before winter. The residents have praised us for using it. We apply after grading in the spring by gravity off a bar on the back of our tank truck. We will re-apply in the middle of the summer in the areas that see full sunlight.

We have also seen a reduction of frost heaves and mud in the spring but are not sure if that has any bearing on the use of it."

— Keith Bardwell
Highway Superintendent
Whately, MA

"SAFE BIND is an AWESOME product!"

— Roger Trempe
Road Agent
Dublin, NH

"We use SAFE BIND on some of our gravel roads and parking lots. Our method of application is a 300 gallon skid mounted tank and auxiliary pump. We dilute 25% water most of the time and try to apply after a rainfall when the surface is wet. In some areas we will mix 50% water if the surface is dry or to dilute the product. Color and smell can be a negative to some people. Care of use must be observed at all times. We do like SAFE BIND for dust control and fewer gradings."

— Barry Denham
Highway Supervisor
Mattapoisett, MA

WHAT IS IT?

SAFE BIND is a high performance blend of ammonium ligninsulfonate and calcium chloride brine.

Lignin is an organic material that fills voids between cellulose fibers in trees, giving them firmness and rigidity. It literally "glues" a tree together.

Ligninsulfonate is a by-product of the paper making process during which lignin is separated from cellulose and reclaimed.

Ligninsulfonates have a long history of use on roads as a method of dust control and surface stabilization. Ligninsulfonates have a natural adhesive property when moist. When applied to dirt roads, the ligninsulfonate solution coats individual road particles with a thin adhesive-like film that binds particles together. It acts as a dispersant, allowing the particles to pack closer together for a stronger surface. Consequently, water uptake by the road bed surface is greatly reduced and the binder is less likely to be washed away by rain.

Approved by the U.S. Forest Service Administration, General Service Administration and local and regional government agencies.



Sand Hill Road, Castleton, VT

ADVANTAGES OF A HIGH PERFORMANCE BLEND

Versatility	Powerful Corrosion Inhibitor	Greater Cost Reductions
<ul style="list-style-type: none"> Dust control and fines retention agent Base stabilization agent 	<ul style="list-style-type: none"> Substantially reduces, even stops corrosion damage to ferrous metals 	<ul style="list-style-type: none"> Less blading and grading Virtually eliminates potholes and wash-boarding Out performs MgCl₂ and CaCl₂ brines



Gunstock Resort, Gilford, NH

ENVIRONMENTALLY FRIENDLY

Greater than 50% reduction in chloride ions introduced into the natural and built environment

Significantly less corrosive than CaCl₂ or MgCl₂ brines, less corrosive than water

Safe to handle

Binds road together with "Nature's own glue"

Cost competitive with liquid calcium chloride

**Environmentally Friendly
Winter & Summer Road Maintenance Products**

3 McKinley Road Franklin, MA 02038

Phone: 508-364-1739 | Email: saferoadservices@comcast.net
Visit our website for more info: www.saferoadservices.com

