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Several of Many Choices

Among the many dust control palliatives on the market is a wide range of liquid polymer products. Consisting of long strands of large molecules, some polymers are naturally sticky, while others contain tackifiers to make them sticky. Either way they can be used to glue dust and sediment particles in place. Depending on formulation and application rates, polymers can be used to suppress dust, control erosion and stabilize soil for varying lengths of time.

Here's a look at some of them.

Made and distributed by _____, _____ is an acrylic polymer that normally penetrates about three-quarters of an inch into the soil surface, reports _____, company president. It forms a clear, plastic resin bond to bind soil particles together. The nontoxic, environmentally safe product cures within two to 24 hours, depending on temperature. At lower application rates it cements soil particles together to control dust and erosion while allowing water and air to penetrate. Applied at higher rates, the product can be used on unpaved roads to create a durable, flexible, and waterproof surface that withstands vehicle traffic.

More information is available at _____.

Soiltac® is an environmentally safe, biodegradable, engineered liquid copolymer that can be used to stabilize and solidify soil or aggregate, control erosion, and suppress dust. Completely transparent when cured, it's available as a liquid concentrate or as the new, patented, industry-only, dry dispersible **Powdered Soiltac®**, says Chad Falkenberg, president of Soilworks® LLC. **Durasoil®**, an ultrapure, self-healing, and reworkable dust control fluid, requires no water dilution and is applied to intense-use traffic areas. The clear, odorless dust suppressant is completely environmentally safe, he reports. It does not evaporate, and one application remains effective for several months.

More information is available at www.soilworks.com.

_____ introduced _____, a synthetic organic dust suppressant, in 2001. The company also offers _____. Like _____, _____ is a clear, odorless nontoxic product. In addition, _____ contains naturally occurring resins that cause fine silt or clay particles to agglomerate, rather than binding them together, to make them heavier and more resistant to becoming airborne. "This feature makes it particularly well-suited to applications where there is heavy equipment traffic, notes _____, the company's western regional manager. "When the treated area is disturbed by tracks or tires, the product heals itself to continue controlling dust," he says.

More information is available at _____.

_____, made by _____, is an environmentally friendly, biodegradable, water-soluble dust suppressant and erosion control polymer. The water-soluble polyvinyl-alcohol solution penetrates the soil surface and, after curing, acts like a net, trapping the dust particles at the surface. "Unlike blanketing acrylics and emulsion products, it can be reactivated with water to capture dust that might have accumulated after the previous application," says _____, the product's brand manager. "It can also be applied in multiple passes, forming a single and uniform layer to solve problems in the toughest soil conditions." The product cleans-up with water.

More information is available at _____.