



UltraTAG

Dust Suppressant

Dust suppression without limits.

BENEFITS

- *All Natural*
- *Biodegradable*
- *Water Conserving*
- *Proven Performance*
- *Environmentally Safe*

APPLICATIONS

*Unpaved Roads
Haul Roads
Construction Lots
Stockpiles
Trails & Paths
Runways
Hydroseeding
Helipads*

UltraTAG is custom blend of oil-based dust suppressants and dispersants. UltraTAG has the same eco-friendly characteristics found in our other bio-based dust suppressants, however, UltraTAG has been modified to increase soil penetration with an added emulsifying agent so it can be diluted with water, resulting in lower application rates and better coverage. With its ability to disperse in water thereby customizing application rates and times based on your specific needs, UltraTAG is the most flexible dust suppressant on the market. UltraTAG is extremely user-friendly and can be driven on immediately after application. UltraTAG has excellent resistance to UV degradation and weatherability and will not run off due to rain.



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Application Rates & Techniques

APPLICATION

As with all dust suppressants, application rates and methods depend upon the site, environment, soil type, and more. Please contact your TAG representative for site specific recommendations. Each site is unique, and as such, the following application rates are based on averages in the field.

Application Type	Sq. Ft. / Gallon	Gallons / Acre	Dilution Rate
Light Traffic Road	145 sq. ft.	300 gal	13:1
Heavy Traffic Road	124 sq. ft.	350 gal	10:1
Construction Site	162 sq. ft.	268 gal	13:1
Grading/Excavation Site	218 sq. ft.	200 gal	15:1
Haul Road	79 sq. ft.	550 gal	10:1

UltraTAG works best when diluted and applied in multiple light passes rather than one heavy pass. UltraTAG will give the application area a wet look and feel for a period of time. The treated area can be drive on immediately, no curing time is necessary. Every 6-8 months, a re-application of the original application rate is typically required.

SURFACE PREPARATION

If the soil to be treated is hardpan, grading is necessary to increase penetration of UltraTAG. If the soil is loose and has approximately 20-25% fines by Sieve Analysis, grading is not necessary.

ENVIRONMENTAL SAFETY

The functional constituent of UltraTAG is derived from oil seeds in the process of refining natural oil. A number of universities and government agencies in this country and in Europe have studied the use of this constituent as an animal feed additive; these studies have shown high nutritional benefit to cattle (both meat and dairy), hogs and poultry at levels comprising as much as 5% of the animals' diets. Not only have the animals thrived on those diets, but the meat and milk from the subject animals has been found to be unaffected in terms of both human nutrition and palatability. The US Food and Drug Administration has examined the component for use as a direct additive to human food, and has declared it to be safe (see 21CFR 172.723). A number of personal care product formulations with the same constituent used in UltraTAG have been tested under the auspices of the US Department of Agriculture.

As the feed studies noted above indicate, this compound presents no ingestion hazards to animals. The US Environmental Protection Agency has examined this constituent and determined that represents no significant environmental risk (see 40CFR, parts 180 and 186). With these facts in hand – safety as a food, drug and feed additive, negligibly low toxicity to microorganisms and fish, innocuous breakdown products – UltraTAG can be used in even the most sensitive applications.

SAND SIEVE ANALYSIS

Sand Sieve Analysis is a practice or procedure used to assess the particle size distribution of granular material. The size distribution is critical in determining the type of dust suppressant needed and application rates to be used. The practice of Sieving is quick and accurate, measuring the maximum diameter of a sediment grain. There are four aspects of this proven test, including sizing, sorting, kurtosis, and skewness. After the analysis, we can determine the percent sand, silt and clay in your soil, and textural class, thereby recommended an accurate application rate and method for your needs.

Particle Grade	Size (mm)	Surface Preparation
very coarse sand	1-2	Grading is optional prior to application.
medium sand	0.25-0.50	
fine sand	0.125-0.25	
silt	0.0039-0.0625	Grade the surface smooth prior to application for better coverage/penetration.
clay	less than 0.0039	

For a free Sieve Analysis, please send a sample of your soil to:
The Amber Group, 40 Red Rock, Suite 200, Irvine, California 92604,
or contact us at (866) 762-4060.

For more information about UltraTAG and our other products, please contact visit us at www.tagchemical.com.