

Haul Road Dust Control®

Dust Wetting Additive



Increase the Ability of Water to Wet and Suppress Road Dust

As Haul Road Dust Control is applied it “conditions” the road. It produces a cumulative, residual effectiveness in the haul road surface. Each new application of treated water receives a boost from the residual material of the previous application. The result is increased wetting of dust, slower evaporation of water, increased ground moisture, better surface compaction with less surface deterioration.

With Haul Road Dust Control your watering effectiveness will improve every day, every week, every month... continuously! As a bonus, Haul Road Dust Control maximizes the benefits of normal rainfall! This is because the residual materials are activated by rainfall and cause it to be absorbed into the roadbed and dust rather than running off or creating puddles.

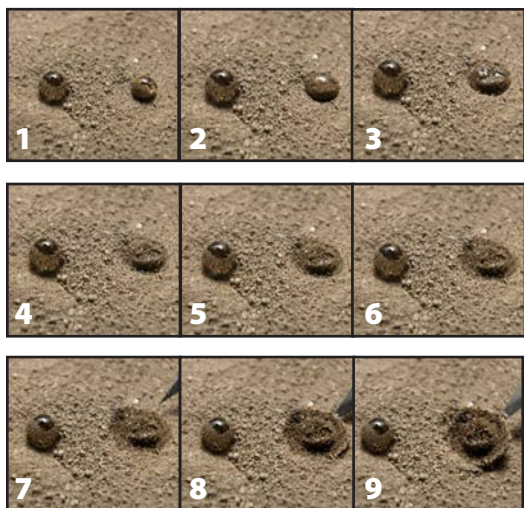
Recommended mixture of Haul Road Dust Control to water: add 1 gallon of Haul Road Dust Control to each 5000 gallons of water, or 1 liter of Haul Road Dust Control to each 5000 liters of water.



Haul Road Dust Control five ways

- 1) Increases the wetting and penetration ability of water at a minimum of 100%. Water is absorbed into surface dust and the roadbed rather than running off or laying in puddles.
- 2) Causes a deep moisture penetration into dust and the roadbed. This results in a much slower evaporation rate for the water.
- 3) Reduces water's tension which causes water to spread in much smaller droplets. The surface area of water coming in contact with small dust particles is significantly greater.
- 4) Contains non-volatile materials which attract both dust particles and water. These non-volatile materials remain to attract dust particles even when almost all of the water has evaporated.
- 5) Residual effect. Haul Road Dust Control continuously improves the effectiveness of your watering program. There is a cumulative benefit from every application.

The droplets on the left of each frame are plain water, the droplets on the right in each frame show the superior penetration ability of Haul Road Dust Control when combined with water.



Outstanding features

- Saves you time, money and water.
 - a. When spreading the same volume of water as before it reduces the frequency of spraying your haul roads.
 - b. Enables you to saturate roads with a greater volume of water per application due to the fast penetration and spreading ability, further reducing the frequency of wetting haul roads.
 - c. Where water availability is critical, it suppresses dust and reduces the volume of water required.
- Is biodegradable, non-hazardous, non-combustible, non-corrosive, harmless to skin, clothing and equipment.
- Will not salt out or cause clogging, completely miscible with water in all proportions, not adversely affected by any type of water (hard or soft, fresh or salt), or by water temperature.
- Will not contaminate streams, vegetation, soil, or harm wildlife.
- Increases safety, visibility and haul truck efficiency.
- Decreases tire maintenance, repair costs, watering costs, and downtime resulting from wear failure which occurs without prior warning, such as lubricants.

Physical Properties

Specific Gravity:	1.00
Weight per Gallon (US):	8.33
Appearance:	Green to yellow tinted liquid
Odor:	Slight odor
pH:	7.0 - 9.0
Solubility in Water:	Complete
OSHA HCS Hazard Class:	Irritant (29CFR1910.1200)
Flammability:	None
Stability:	Stable
Corrosiveness:	No more corrosive than water
Chemical Incompatibilities:	Strong oxidizers

Interesting facts:

- 1) *A typical 218-ton haul truck costs approximately \$2.5 million.*
- 2) *The repair and maintenance expense over the life of that truck is projected to be another \$2.3 million.*
- 3) *The life expectancy of a haul truck operating an average of 6000 hours per year is 10 years.*

An effective maintenance program that includes controlling dust can save approximately \$300,000 in repairs and failures over the life of each haul truck!