
Fact Sheet



Notice

Dust-off product will be applied to most main park roads in both the Upper & Lower Ranches 6/22-23/2016

What is Dust-off?

A non-toxic soil binding agent that when applied to soil surfaces enhances their capability of water retention, and is comprised of:

- **29-33% magnesium chloride, 1-4% magnesium sulfate, and 63-70% water.**

Magnesium chloride naturally occurs as brine (salt water) or as a byproduct of potash production, and is harvested as the main agent of Dust-off and other soil binding products.

How does it work?

The Dust-off compounds bind the soil particles together by creating an attraction between the soil particles and water molecules. These attractions bond the soils in the park's road surfaces and create a harder packed - more stable road surface that is less capable of producing dust when driven on. . This process can also absorb water from the air keeping the ground wet without the need to constantly apply water.

Why is the park using it?

The park is mandated to reduce dust and we can do that in a variety of ways. Applying water using a water truck is one of the primary methods employed by the park. The use of Dust-off enhances the soils ability to retain water and improves the overall effectiveness of water as a dust suppressant. In a time of drought and water resource conservation it's a responsible action by the park to apply soil binders to park roads and reduce water consumption during dust suppressant efforts.

How this will affect the park?

Some road surfaces may become slippery when too wet. Even though Dust-off is safe and non-toxic it may cause harm to metal surfaces. It's not advised to let any mud that's been treated with Dust-off stay on vehicles – especially undercarriages - for long periods of time. Due to the corrosive properties found in Dust-off it's advised to spray off all surfaces that come in contact with it.