

# Dust-Off® Dust Suppressant

## Cost effective dust control and soil stabilization

States, municipalities and businesses across America rely on Dust-Off® dust suppressant to provide an easy, money-saving way to control dust and stabilize roads. Discover how Dust-Off® can help your road department or business cut costs and promote better health, safety and productivity in your communities.

### Stabilize roads, extend aggregate life

Dust-Off® compacts and stabilizes gravel roads – helping to reduce aggregate loss by 42-61%.<sup>1</sup>

### Reduce costly road maintenance

Cost analysis shows a 30-46% reduction in total annual maintenance cost for unpaved roads treated with magnesium chloride – the active ingredient in Dust-Off®.<sup>2</sup> Plus it not only saves money by reducing maintenance costs, it also helps keep roads smooth for more consistent driving conditions.

### Improve visibility, prevent accidents

Windblown dust can restrict visibility and cause accidents in high traffic areas. Dust-Off® improves visibility and makes roads safer.

### Low cost alternative to paving

Dust-Off® provides an efficient, low cost alternative to paving – helping to keep unpaved roads in good condition.

### Help extend the life of tractors, trucks & more

Dust-Off® suppresses the dust that can contribute to wear and tear on the moving parts of trucks, tractors and other costly machinery.

### Cleaner air, healthier environment

Road dust can contribute to asthma and other health problems. Dust-Off® cleans the air by reducing fugitive dust emissions by 50-70%.<sup>3</sup>

### Ideal for hard to reach areas

Aerial applications of Dust-Off® can be made to stabilize areas where traditional truck applications are impractical.

**Keep dust down and costs low. Contact your local Dust-Off® distributor to learn more or call cargill salt at 1-888-385-salt (7258).**

<sup>1,2,3</sup> Source: Relative Effectiveness of Road Dust Suppressants; J. Transp. Engrg. Volume 123, Issue 5, pp. 393-397 (September/October 1997)

[www.cargillsaltstore.com](http://www.cargillsaltstore.com)

[www.cargill.com/industrial/na/dust-off-dust-suppressant](http://www.cargill.com/industrial/na/dust-off-dust-suppressant)

Cargill Salt  
P.O. Box 5621  
Minneapolis, MN 55440



This product is OMRI listed. It may be used in certified organic production according to the USDA National Organic Program Rule.



# Dust-Off® Technical Data

## Description

This product is intended for use as a dust suppressant on unimproved roads, as it is hygroscopic and deliquescent, and able to absorb and retain moisture. Care must be taken not to apply this product to pavement as slippery conditions will result. The primary active component is magnesium chloride, a natural material produced by the evaporation of sea water.

This product is intended for use on undeveloped State and county roads, industrial site roads, farms and ranches and private roads

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This product is not approved for human or animal consumption and is intended for use only in chemical or industrial applications.

## Application

This product combines with elements in the soil and increases compaction and road stability. Depending on the quality of the road base and type of vehicular traffic, one application per year is usually sufficient. On heavily traveled roads, a second application may be necessary. This product works best if the road contains the proper proportion of coarse and fine fractions. The road should be graded and crowned for proper drainage. Roads subject to high traffic should be compacted. For best results, apply using a spreader truck equipped with a pressurized spray bar at the rate of ½ gallon per square yard.

## Methods of Analysis

Methods of analysis are based on ASTM E 534, ASTM G 31 and Cargill internal methods.

## Producing Locations

This product is manufactured at Cargill Newark, CA. Product of USA.

## Chemical Analysis

COMPONENT	CAS NO.	UNITS	TYPICAL
Magnesium Chloride (dry)	7786-30-3	%	29-33
Sulfate (as SO <sub>4</sub> )		%	1.5
Water		%	65
pH			5.5-6.5

## Physical Properties

PARAMETER	TYPICAL
Density	11.06 lb/gal
Specific Gravity (at 60°F)	1.325

## Product Configuration

PRODUCT NAME	SAP DESCRIPTION	SAP NUMBER
Dust-Off® Dust Suppressant		
Bulk Liquid - Truck	DUST OFF BULK LIQ	100012325
Bulk Liquid - Rail	DUST OFF RAIL BULK LIQ	100011236

