DusTreat* DC9138E

Wet Dust Suppressant

- Provides control of fugitive emissions while minimizing moisture addition
- Enhances wetting of dust particles
- Reduces maintenance and housekeeping costs
- Reduces explosion hazard and improves working conditions

Description and Use

DusTreat* DC9138E is a highly-concentrated blend of wetting agents specially formulated to enhance the dust suppression capabilities of water. This product is designed to increase the ability of water to adhere to and spread over dust particles. This increases the bulk density of dust particles and leads to agglomeration, which prevents particles from being airborne.

DusTreat DC9138E solutions are particularly effective in reducing respirable dust. Fugitive dust is typically generated during unloading, stack out, reclaim and crushing operations. These dust emissions can be a safety hazard and environmental nuisance, and can increase maintenance of material handling equipment. In addition, these emissions can represent a substantial loss of valuable fuel.

Conventional wet suppression systems that use water alone are usually applied at all transfer points in copious amounts. This results in material flow, storage and freezing problems downstream. In addition to handling problems, high moisture reduces the heating value of coal.

The addition of a small amount of DusTreat DC9138E to water sprays significantly increases the spray's ability to wet, allowing less water to be used. DusTreat DC9138E solutions exhibit enhanced residual effects so that treatment needs only to be applied at a minimal number of locations. This reduces the cost of heating value losses associated with moisture addition to coal.

DusTreat DC9138E solutions should be sprayed at areas where the dusting material becomes airborne. Typical application points include railcar or truck unloading areas, belt transfers, reclaim feeders and screw feeders.

Treatment and Feeding Requirements

Proper treatment levels for DusTreat DC9138E depend on many factors, such as severity of the problem, environmental influences and operating characteristics of the system. Therefore, this product should be used in accordance with the control parameters that GE Water & Process Technologies establishes for the application.

Ensure maximum efficiency by using GE wet suppression systems. These systems are fully automated and custom sized per site specifications to provide reliable and economical chemical treatment. While optimum results are obtained with GE equipment, DusTreat DC9138E can be used in other systems.

For contact with neat product, recommended materials of construction include stainless steel and PVC. For dilute aqueous solutions, use of galvanized iron or brass yields acceptable results.

General Properties

Physical properties of DusTreat DC9138E are shown on the Material Safety Data Sheet, a copy of which is available on request.

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**Storage**

DusTreat DC9138E should be stored at temperatures above freezing. If freezing occurs, thaw completely and mix thoroughly prior to use. To ensure maximum activity, use this product within six months.

**Packaging Information**

DusTreat DC9138E is a liquid blend available in a wide variety of customized containers and delivery methods. Contact your GE representative for details.

**Safety Precautions**

A Material Safety Data Sheet containing detailed information about this product is available upon request.