DusTreat* DC6109
Foam Dust Control Agent

- Produces quality foam with most plant waters
- Provides control of fugitive emissions while minimizing moisture addition
- Reduces maintenance and housekeeping costs
- Reduces explosion hazards and improves working conditions
- Improves worker health by reducing respirable dust emissions
- Environmentally safe

Description and Use
DusTreat DC6109 is a highly concentrated foam dust control agent formulated to produce a resilient, low surface tension foam for the control of fugitive dust throughout the plant material handling system. The most cost-effective performance generally occurs in waters containing total hardness between 100 to 1000 ppm (mg/L).

DusTreat DC6109 is mixed with regulated volumes of water and air, then passed through a foaming chemical chamber to produce Ultrafoam. The Ultrafoam bubbles collapse upon impact with dust particulate, encapsulating each particle in a blanket of moisture. This increases the bulk density of the dust particles and leads to agglomeration which inhibits the particles from becoming airborne.

Typical Application
Fugitive dust is typically generated during unloading, stackout, reclaim and crushing operations. These dust emissions can be a health and safety hazard, an environmental nuisance, and can increase maintenance of material handling equipment. In addition, these emissions can represent a substantial loss of valuable material.

DusTreat DC6109 offers the most economical foam technology by providing a highly concentrated product. This product minimizes moisture addition while providing limited residual effects over a few transfer points. Use of DusTreat DC6109 can reduce the heating value loss associated with moisture addition to coal by applying up to 90% less moisture than most wet suppression systems.

DusTreat DC6109 should be applied directly to a dusting material at the impact point. Typical application points include downstream of the unloading area, belt transfers, and at crushers or breakers where new dust is generated.

Treatment and Feeding Requirements
Proper treatment levels for DusTreat DC6109 depend on many factors such as severity of the problem, environmental influences, and operating characteristics of the system. This product should be used in accordance with the control parameters that GE establishes for the application.

Use of GE’s fully automated AcufeedTM equipment ensures consistent production of high quality foam. While optimum results are obtained with Acufeed foam delivery equipment, DusTreat DC6109 will still provide outstanding performance when used in other foam feed systems.

For contact with neat undiluted 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 DC6109 are shown on the Material Safety Data Sheet, a copy of which is available on request.

Packaging Information

DusTreat DC6109 is blended as a liquid and is available through bulk shipment for tank truck quantities. DusTreat DC6109 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.

Safety Precautions

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