



Global Eco Technologies, inc.

DC-360 DUST CONTROL CONCENTRATE

PRODUCT DATA

PRODUCT DESCRIPTION

DC-360, AN ACRYLIC-POLYURETHANE COPOLYMER EMULSION CONCENTRATE FORMULATED TO BE FURTHER EXTENDED WITH ASPHALT EMULSION AND DILUTED WITH FRESH WATER TO PROVIDE EFFECTIVE CONTROL OF NUISANCE DUST, FOR SOIL STABILIZATION, AND TO REDUCE STORM-WATER SOLIDS INFILTRATION TO DRAINS. DC-360 IS FORMULATED TO PROVIDE SOILS PENETRATION, WETTING AND SEALING OF EARTHEN/AGGREGATE, AND ASPHALT SUBSTRATES. DC-360 DRIES TO A FLEXIBLE, NON-TACKY FILM AND IS HIGHLY RESISTANT TO TRADITIONAL GROUND WATER RUN-OFF. DC-360 PERFORMS EXTREMELY WELL AS A SEALANT FOR THE CONTROL OF NUISANCE DUST WHEN APPLIED TO EARTHEN SUBSTRATES SUCH AS ROADBEDS OR CONSTRUCTION SITES WITH EXPOSURE TO HEAVY TRUCK TRAFFIC.

DC-360 IS DESIGNED TO BE APPLIED USING TRADITIONAL LIQUID ASPHALT APPLICATION EQUIPMENT. DC-360 MEETS CURRENT ENVIRONMENTAL, HEALTH AND SAFETY REGULATIONS IN REGARDS TO ESTABLISHED TEST METHODS.

TYPICAL USE AREAS

DUST CONTROL: Truck, Rail, and Conveyer Operations that generate nuisance dust such as earthen roadbeds, construction sites, mining operations, and materials processing sites.

EROSION CONTROL: Slope protection, storm-water run-off, earthen dikes, canals, and used as a soil sealer prior to applications of ENDURA-FLEX® secondary containment systems. Silica sand can be incorporated into the DC-360 system, giving additional weight, thickness, and strength for impact resistance on an “as needed” basis.

ASPHALT: DC-360 acts as an excellent sealer, preservative for asphalt roadbeds, parking lots, and driveways. DC-360 also exhibits resistance to a wide variety of chemicals such as motor oil, brake fluid, transmission fluid, anti-freeze, gasoline, and diesel.

TECHNICAL DATA

COMPONENTS: Three (A-Concentrate, B-Asphalt Emulsion, C-Water)

MIX RATIO: By Volume: 1 Gal Concentrate; 2 Gal Asphalt Emulsion; 9 Gal Water

THINNER: None Required, (Clean-up: Water)

DRY FILM THICKNESS: 50 ft²/Gallon/Dilute Mix

POT LIFE: Open

PACKAGED: 250-Gallon Totes or 55-Gallon Drums

COLOR: Black

DOT/FLASH POINT: Over 200 Degrees Fahrenheit

DRYING TIMES: Based on evaporation of water - Normally within one hour of application with ambient temperatures of 75° F. Minimal tracking after drying. DC-360 should not be applied within two hours of anticipated rain.

SHELF LIFE: One (1) year at 75° F, in sealed, unopened containers.

PROTECT PRODUCT FROM FREEZING

APPLICATION DATA

SURFACE PREPARATION:

Traffic surfaces: Pot holes filled, followed with all surfaces being "dressed" with a blade and rolled for maximum effectiveness. The traffic surfaces should be generally smooth prior to application of DC-360.

Non-traffic areas: In areas such as steep grades, detailed surface preparation might not be practical or cost effective due to accessibility. In these areas, application of DC-360 is acceptable with minimal surface preparation effort.

The site should be maintained free of debris, water seepage, protruding weeds, oil seepage, foot traffic, and equipment traffic before and during application until material has dried.

A soil sterilant may be applied prior to application of the DC-360 material to prevent future plant growth.

MIXING/APPLICATION:

Mixing: Flush equipment clean with water. Agitate DC-360 (Component A) until concentrate is well mixed. Blend together Components A and B, add Component C into mixed Components A and B (do not vary proportions) and blend until all three components are mixed together and completely uniform in consistency. Maintain agitation during application to assure uniform consistency. Flush equipment immediately upon completion of application. **Do Not Store Mixed**

Material In Equipment.

Application: Application can be completed using standard liquid asphalt application equipment (multi-spray "distributor unit) or hand applied using gear pump delivery systems. Normally, one coat is sufficient for effective dust control. However, on roadbeds with an aggregate base, a second coat might be necessary after a short use period to wet-out areas with aggregate movement and subsequent exposure of dry (aggregate underside) areas.

PRECAUTIONS:

See the material safety data sheet for complete safety and precaution requirements.

NOTE: GET®, ENDURA-FLEX®, ENDURA-TUF®, ECOSYSTEM®, ARE TRADEMARKS OF GLOBAL ECOTECHNOLOGIES, INC.

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PRODUCT TESTING:

DC-360 has been tested extensively to verify the non-hazardous condition of the material during shipping and normal use with exposures to environmentally sensitive areas. DC-360 has been tested as a concentrate (without added asphalt/water), as a semi-concentrate (two asphalt/one water), and in the normal form of application as a dilute with two parts asphalt and nine parts water. In all cases, DC-360 was found to be non-hazardous.

The Federal Water Pollution Control Act Amendments of 1972 (PL 92-500), the Clean Water Act (CWA) of 1977 (PL 95-217), and the Water Quality Act of 1987 (PL 100-4) explicitly state that it is the national policy that the discharge of toxic substances in toxic amounts be prohibited. Toxicity to aquatic life is one of the criteria used to gauge the hazardous potential of a discharged waste. "Third Party" testing was completed by a State of California certified laboratory.

TEST RESULTS:

Aquatic Bioassay Tests (Acute LC50 Ranging Aquatic Toxicity):
96 hr. (Fathead minnows) LC50 - >750 mg/L
96 hr. (Daphnid) LC50 - >500 mg/L

pH: 10.2: non-corrosive. (Title 22, Section 66261.22 Title 22, CCR)

Aquatic Toxicity Test: 96 hr. LC50 - >500 mg/L (Title 22, Section 66261.24(a)(6), 22 CFR)

Flash Point: >200⁰F. (Title 22, Section 66261.21 , Title 22, CCR)

Volatile Organic Compounds - None (EPA Test Method 8240)

Semi-volatile Organic Compounds - None (EPA Test Method 8270)

Hazardous Waste Characteristics: (Title 22, CCR and 40CFR261)

Corrosivity - None

Ignitability - None

Reactivity/Toxicity - None

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"creative solutions for environmental concerns"

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