



Renewable Lubricants, Inc.
476 Griggy Rd., P.O. Box 474
Hartville, Ohio 44632-0474

Bio-Dust Suppressant™ (Water Soluble Concentrate)

Bio-Dust Suppressant™ is an readily biodegradable, water-soluble concentrate formulated to provide environmentally friendly and effective dust suppression. Developed as a safer alternative to petroleum-based dust control products, this natural ester-based fluid contains no hazardous VOCs and delivers strong bonding action to dust particles, improving air quality in industrial, agricultural, and construction environments. It is formulated with a food-grade polymer and renewable vegetable oils for enhanced performance, safety, and biodegradability.

Benefits

- Readily biodegradable, environmentally non-toxic, and not bioaccumulative
- Water-soluble and forms a stable white milky emulsion
- Contains no hazardous Volatile Organic Compounds (VOCs)
- High flash point of 287.8°C (550°F) for increased safety
- Compliant with EPA, OSHA, and ISO 14000 environmental regulations
- Provides extended dust suppression by bonding dust particles
- Reduces foreign oil dependence and supports the U.S. economy
- Suitable for multiple-layer bonded dust control applications
- Renewable resource-based and safe for worker exposure

Application / New Filling

- General-purpose dust control for:
 - Stock yards, riding arenas, fairground lots
 - Dirt roads, stone/coal stockpiles
 - Underground and aboveground mines
 - Construction zones, stone crushers, transfer conveyors
- Recommended Usage:
 - Mix 1 part Bio-Dust Suppressant™ with 10 parts water for pre-rain application
 - For high-dust applications, dilute 1:20 or 1:30 with water
 - For long-term suppression, apply in multiple bonded layers at 1:40 or 1:50 dilution and incorporate into the topsoil using a grader blade or drag

F.O.B: Hartville, Ohio

Availability: 1 Gallon, 5 Gallon Pail, Drum, Totes, Bulk



Specifications and Approvals

- OECD 301 Readily Biodegradable
- ASTM D 5864 Ultimately Biodegradable
- USDA Bio-preferred
- EPA EAL VGP Compliant (USCG approved)
- OSHA and ISO 14000 compliant
- Rust protection in water-free environment (ASTM D-665A – Pass)
- Food-grade polymer binder system

TYPICAL TEST DATA:

ASTM D-445	68.0 cSt @ 40°C
ASTM D-665-A Corrosion Protection-neat no water	Pass
ASTM D-92 Flash Point 550 °F	287.8 °C
ASTM D-97 Pour Point	-18°C
Pound Per Gallon	7.6
Emulsification with Water	Yes-White Milky solution
pH of 5% emulsion in well water	7.0 to 7.5 pH

<u>Availability</u>	<u>F.O.B.: Hartville, Ohio, USA</u>	<u>1 Gallon</u>	<u>5 Gallon Pail</u>	<u>Drum</u>	<u>Totes</u>
RLI Product Item #		84193	84194	84196	84197



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