

SAFETY DATA SHEET

Section 1 – Identification

Product Name: BactiSource

How Material is Used: A feed additive for cattle

Manufacturer:

Bio-Ag Solutions LLC

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Phone 513-280-1247

Section 2 – Hazard Identification

This product is not considered hazardous in this concentration under 29 CFR PART 1910.1200.

Section 3 – Composition/Information on Ingredients

Components: Calcium Carbonate, Rice Hulls, Montmorillonite Clay, Wheat Midds, Malic Acid, Wheat Flour, Dried Bacillus amyloliquifaciens Fermentation Product, Dried Bacillus coagulans Fermentation Product, Dried Bacillus licheniformis Fermentation Product, Dried Propionibacterium freudenreichii Fermentation Product, Dried Bacillus subtilis Fermentation Product, Corn Cob Grits, Lactose, Mineral Oil.

Section 4 – First Aid Measures

Primary Routes of Entry: Inhalation.

Carcinogen: Not listed.

Health Hazards: (Acute) Irritation of upper respiratory tract, eyes, and occasionally skin.

(Chronic) Chronic bronchitis.

Medical Conditions Possibly Aggravated by Exposure: Asthma; pre-existing lung disease.

Emergency First Aid Procedures: Under normal conditions of use, none is required.

Eye contact: Flush with water. Seek medical attention if needed.

Skin contact: Wash with soap and water. See a physician if symptoms develop or persist.

Inhalation: Remove from exposure. Seek medical attention if needed.

Ingestion: Standard medical first aid procedures should be used for treatment of potential choking resulting from ingestion.

Section 5 – Fire Fighting Measures

Flash Point: No flash point noted at 5 lbs. at normal room temperature

Auto-ignition Temperature: Not known

Flammability Limits in Air, % by Volume: N/A

LEL/UEL: Not tested.

Extinguisher Media: Water, carbon dioxide, foam, or dry chemical.

Special Fire Fighting Procedures and Precautions: Do not use direct stream if dust can be dispersed into air. Dust dispersed by stream in the presence of an ignition source could cause an explosion.

Unusual Fire and Explosion Hazards: If improperly handled, stored, and/or exposed to an ignition source, this material may burn. Airborne dust in sufficient concentration, when confined and exposed to a sufficient ignition source, can explode.

Section 6 – Accidental Release Measures

Steps to be Taken If Material is Spilled or Released: Sweep or vacuum to prevent

heavy concentration of airborne dust, especially around sources of ignition. Follow an appropriate spill response plan consistent with local, state, and federal regulations.

Section 7 – Handling and Storage

Precautions to be Taken in Handling and Storage: Keep dry. Avoid creating dust and keep away from potential ignition sources.

Other Precautions and/or Special Hazards: Refer to OSHA Grain Handling Standard CFR 1910.272 for additional safety, handling, and design requirements.

Section 8 – Exposure Controls/Personal Protection

ACGIH TLV: 10 mg/m³

(as total nuisance dust)

OSHA PEL: 15 mg/m³ (as total nuisance dust)

CAS No.: Not established

Under normal conditions of use, no special protection is required. For concentrations in excess of current airborne contaminant standard levels, the following precautions are recommended:

Ventilation: Adequate ventilation, such as described in the Industrial Ventilation Manual, published by the American Conference of Governmental Industrial Hygienists, should be used to maintain a concentration of air contaminants below established air contaminant standards.

Respiratory Protection: Properly fitted NIOSH-approved dust respirator should be worn when air contaminant levels exceed OSHA permissible exposure levels.

Respiratory protection should be selected and used in accordance with the OSHA Respiratory Protection Standard (29 CFR 1910.134) and other applicable regulations.

Gloves: Not usually required

Eye Protection: Not usually required.

Section 9 – Physical and Chemical Properties

Boiling Point: N/A Melting Point: N/A Specific Gravity: Not tested

Volatility: N/A Vapor Pressure: N/A Vapor Density: N/A

Solubility in Water: Slightly pH: Not known

Bulk Density: 63 lbs. per cubic foot

Appearance and Odor: Medium to light tan, medium to fine texture free flowing powder with grain odor.

Section 10 – Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility (Materials to Avoid): None known.

Typical Decomposition Products: Acrid smoke, fumes.

Conditions to Avoid: No known reactivity problems.

Section 11 – Toxicology Information

Routes of Exposure – eye contact, skin contact, inhalation, ingestion

Related Symptoms (may cause):

Eye contact – eye irritation

Skin contact – itching, skin irritation

Inhalation - nasal dryness, irritation & obstruction, coughing, wheezing, sneezing

Ingestion – N/A

Chronic Effects - may cause dermatitis on prolonged repetitive contact/exposure;

may cause respiratory sensitization and/or irritation

Section 12 – Ecological Information

Not available

Section 13 – Disposal Considerations

Disposal Methods – Product can be disposed of in landfill in accordance with Federal, State and Local requirements

Section 14 – Transport Information

IMDG – Not applicable

IATA – Not applicable

Section 15 – Regulatory Information

Exempt per CFR 1910.1200(b)(5)(iii) as this product is subject to labeling requirements of the Food and Drug Administration or the Department of Agriculture.

Section 16 – Other Information

Updated December 6, 2021

Packaged in 50 lb craft bag with poly liner.