



MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label):
"Excalibre" Encapsulated Soybean
 Inoculant

DESCRIPTION:
 POWDERED CELLULOSE
 RHIZOBIA BACTERIA

SECTION I

Manufacturer's Name:
 ADVANCED BIOLOGICAL MARKETING

Emergency Tel. No.
 877-617-2461

Address:
 375 Bonnewitz Ave.
 Van Wert, OH 45891 U.S.A.

Tel. No. For Information
 419-232-2461

Date Prepared: April 7, 2006

Supercedes: N/A

SECTION II -- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components (Specific Chemical)</u> <u>Identity; Common Names(s)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u> <u>Recommended</u>	<u>%</u> <u>(Optional)</u>
Total Dust	15 mg/m ³	10 mg/m ³		N/A
Respirable	5 mg/m ³			

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point N/A	Density (g/lee) 1.27-1.61
Vapor Pressure (mm Hg.) N/A	Melting Point N/A
Vapor Density (AIR = 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A

Solubility in Water: soluble in water.

Appearance and Odor: Color: White Odor: None

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
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Material will burn if involved in a fire. Like most organic powders, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Media

Water, Carbon-dioxide, dry chemical or foam.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH approved Self-Contained Breathing Apparatus.

Unusual Fire and Explosion

Hazards None

SECTION V -- REACTIVITY DATA

Stability	Stable Y	Unstable
Conditions to Avoid	None	
Incompatibility (Materials to Avoid):	None	
Hazardous Decomposition or Byproducts:	None Known	
Hazardous Polymerization:		Conditions to
Avoid: None Will Occur Will Not Occur		
	X	

SECTION VI -- HEALTH HAZARD INFORMATION

Route(s) of Entry: **Inhalation? Yes** **Skin? Yes** **Ingestion? Yes**

Health Hazards (Acute and Chronic)

Exposure to high concentrations of dust may result in upper respiratory tract (nose and throat) irritation. An allergic reaction may occur in some persons due to inhalation of or contact with these products. PEL (OSHA Permissible Exposure Limit): For nuisance dust. 15 mg/m³ for total dust and 5 mg/m³ for respirable dust.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None	None	None	No

Signs and Symptoms of

Exposure Refer to health hazards listed above.

Medical Conditions

Generally Aggravated by Exposure

None known under proper usage conditions.

Emergency and First Aid Procedures

Eyes/Skin: Flush with water. Inhalation: If breathing difficulty occurs, remove to fresh air and call physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled May be cleaned up with broom and shovel.

Waste Disposal Method

Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Product should be stored on pallets without contact to walls, ceiling or floor. Storage areas should be well ventilated and free of strong and objectionable odors. Good warehouse and production handling practices should be followed to limit the amount of dust. Avoid sources of ignition. If product is pneumatically conveyed or pressurized in high concentration, devices to control static electricity are recommended.

Other Precautions

Avoid open flames and spark sources.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type): If dust levels exceed 15 mg/m³, a NIOSH approved dust mask is recommended.

Ventilation

Adequate to handle dust indigenous to operations.

Local Exhaust

If dusting occurs

Special

N/A

Mechanical (General)

Not normally required

Other

N/A

Protective Gloves

Not normally required

Eye Protection

Recommended. Wearing contact lenses is not recommended in a dusty environment.

Other Protective Clothing or Equipment None normally required

Work/Hygienic Practices

Use standard hygiene practices.

HMIS Rating: Health 0 Flammability 1 Reactivity 0

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