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**Issue Date:** 6/28/99  
**List/Code:** 60201/82835  
**DOT Classification:** Not Regulated  
**EPA Registration No.:** 275-135  
**Emergency Overview:** This material may cause eye irritation.  
**NFPA:** Health - 1; Fire - 1; Reactivity - 0

**COMPOSITION / INGREDIENTS**

<b>Ingredient Name:</b>	<i>Bacillus sphaericus</i> Serotype H5a5b, Strain 2362 dried concentrate	Inert Ingredients*
<b>Concentration %:</b>	51.2%	48.8%
<b>CAS/RTECS Numbers:</b>	N/A / N/A	NA / N/A
<b>OSHA-PEL 8HR TWA:</b>	N/L	N/L
<b>STEL:</b>	N/L	N/L
<b>Ceiling:</b>	N/L	N/L
<b>ACGIH-TLV 8HR TWA:</b>	N/L	N/L
<b>STEL:</b>	N/L	N/L
<b>Ceiling:</b>	N/L	N/L
<b>OTHER 8HR TWA:</b>	N/A	N/A
<b>LIMITS STEL:</b>	N/A	N/A
<b>Ceiling:</b>	N/A	N/A

\* Hazardous per OSHA criteria  
 Identity withheld as a trade secret.

**HEALTH CONSIDERATIONS**

<b>Route(s) of Entry:</b>	Skin: No      Inhalation: No      Ingestion: No
<b>Carcinogenicity Rating:</b>	NTP: N/L      IARC: N/L      OSHA: N/L      ACGIH: N/L      None
<b>Signs and Symptoms:</b>	N/D. Direct contact could cause mild skin and eye irritation.
<b>Medical Conditions Aggravated by Exposure:</b>	ND. Data suggest possibly pre-existing eye or skin ailments.
<b>Oral Toxicity:</b>	LD50 > 5,050 mg/kg in rats.
<b>Dermal Toxicity:</b>	LD50 > 5,050 mg/kg in rabbits.
<b>Inhalation Toxicity:</b>	Not lethal in an inhalation study with rats at the maximum achievable airborne concentration of 0.435 mg/ltr/4 hours (22.9 mg/ltr nominal concentration).
<b>Corrosiveness:</b>	N/D
<b>Dermal Irritation:</b>	Produced mild transient redness with recovery by 48 hours in a skin irritation test in rabbits (Primary Irritation Index = 0.3 on a scale of 0-8).
<b>Ocular Irritation:</b>	Produced mild transient conjunctival redness with recovery by 48 hours in an eye irritation test in rabbits.
<b>Dermal Sensitization:</b>	N/D
<b>Target Organs:</b>	N/D
<b>Special Target Organ Effects:</b>	N/D
<b>Carcinogenicity Information:</b>	N/D

## EMERGENCY AND FIRST AID PROCEDURE

**Eyes/Skin:** Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Ingestion/**

**Inhalation:** Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

## FIRE FIGHTING PROCEDURES

<b>Flash Point:</b>	N/D
<b>Lower Explosive Limit (%):</b>	N/D
<b>Upper Explosive Limit (%):</b>	N/D
<b>Autoignition Temperature:</b>	N/D
<b>Fire and Explosive Hazards:</b>	N/D
<b>Extinguishing Media:</b>	Use appropriate medium for underlying cause of the fire.
<b>Fire Fighting Instructions:</b>	Wear protective clothing and self-contained breathing apparatus.

## SAFE HANDLING, USE, STORAGE, and DISPOSAL

<b>Handling:</b>	N/D
<b>Storage:</b>	Store in a cool (59-86° F or 15-30° C), dry place.
<b>Special Precautions:</b>	Wash thoroughly with soap and water after handling.
<b>Spill or Release Procedures:</b>	Recover product, place into appropriate container for disposal. Ventilate and wash spill area.
<b>Disposal:</b>	Dispose in accordance with state, local and federal regulations.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**Field Application:** Refer to product label.

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State:</b>	Granule
<b>Odor:</b>	N/D
<b>Boiling Point:</b>	N/D
<b>Melting/Freezing Point:</b>	N/D
<b>Vapor Pressure (mm Hg):</b>	N/D
<b>Vapor Density (Air=1):</b>	N/D
<b>Evaporation Rate:</b>	N/D
<b>Bulk Density:</b>	0.4 g/mL
<b>Specific Gravity:</b>	N/D
<b>Solubility:</b>	Suspends readily in water.
<b>pH:</b>	4-6 as an aqueous solution
<b>Viscosity:</b>	N/D
<b>Reactivity:</b>	N/D

**LEGEND**

N/A = Not Applicable

L = Listed

® = A registered trademark of Abbott Laboratories

N/D = Not Determined

S = Short Term

™ = A trademark of Abbott Laboratories

N/L = Not Listed

C = Ceiling

ltr = liter

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