

Material Safety Data Sheet

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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

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

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

HEALTH CONSIDERATIONS

Route(s) of Entry:	Skin: No Inhalation: No Ingestion: No
Carcinogenicity Rating:	NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L None
Signs and Symptoms:	N/D. Direct contact could cause mild skin and eye irritation.
Medical Conditions Aggravated by Exposure:	ND. Data suggest possibly pre-existing eye or skin ailments.
Oral Toxicity:	LD50 > 5,050 mg/kg in rats.
Dermal Toxicity:	LD50 > 5,050 mg/kg in rabbits.
Inhalation Toxicity:	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).
Corrosiveness:	N/D
Dermal Irritation:	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).
Ocular Irritation:	Produced mild transient conjunctival redness with recovery by 48 hours in an eye irritation test in rabbits.
Dermal Sensitization:	N/D
Target Organs:	N/D
Special Target Organ Effects:	N/D
Carcinogenicity Information:	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

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

SAFE HANDLING, USE, STORAGE, and DISPOSAL

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

EXPOSURE CONTROLS/PERSONAL PROTECTION

Field Application: Refer to product label.

PHYSICAL AND CHEMICAL PROPERTIES

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