

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Bonide Colorado Potato Beetle Beater

ID # 2751184

Date: April 5, 2001

Section I

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300
(315) 736-8231

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH	TLV	Other Limits	% (Optional)
Bacillus Thuringiensis Tenonbionis					3.0

Section III - Fire/Explosion Hazard Data

FIRE FIGHTING COMMENTS: ND
FLASH POINT METHOD: ND
UPPER EXPLOSIVE LIMIT (%): ND
FLAMMABILITY: Non-flammable
EXTINGUISHING MEDIA: Use appropriate medium for the underlying cause of the fire.
FIRE FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus.

FLASH POINT: ND
LOWER EXPLOSIVE LIMIT (%): ND
AUTOIGNITION TEMPERATURE: ND
UNUSUAL FIRE/EXPLOSION HAZARD: None

Section IV - Accidental Release Measures

SPILL OR RELEASE PROCEDURES: Recover product and place in an appropriate container for disposal. Ventilate and wash the spill area.

Section V - Handling and Storage

HANDLING: Avoid formation of dust during handling/pouring.
STORAGE: Store in a cool place (40-50°F). Optimum shelf-life at 40°F or below.
SPECIAL PRECAUTIONS: NA

Section VI - Health Hazard Data

EMERGENCY OVERVIEW: this material is a biological insecticide. It may cause transient skin and eye irritation.

ROUTE (S) OF ENTRY: SKIN: No	INHALATION: Yes	INGESTION: No
SKIN ABSORPTION RATING: None	INHALATION RATING: ND	CORROSIVENESS RATING: None
SKIN CONTACT RATING: None	EYE CONTACT RATING: None	SKIN SENSITIZATION RATING: ND

TARGET ORGANS: Possibly skin, eyes and respiratory tract
CARCINOGENICITY RATING NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L None
SIGNS AND SYMPTOMS: ND. May cause slight transient skin, eye, and respiratory irritation.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: ND. Pre-existing skin, eye, and respiratory ailments.

Section VII - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Use local exhaust
EYE PROTECTION: Safety glasses or goggles. SKIN PROTECTION: Impervious.
OTHER PROTECTION: Wear tyvek coveralls if contact may occur.

Section VIII - Physical and Chemical Properties

SOLUBILITY: Readily suspendable in water.	BOILING POINT: ND	VISCOSITY: ND
ODOR: Pungent, bacterial odor	BULK DENSITY: 1.05-1.15 g/MI	pH: 5.0-5.6
MELTING/FREEZING POINT: ND	VAPOR PRESSURE (mm Hg): ND	
EVAPORATION RATE: ND	SPECIFIC GRAVITY: ND	
APPEARANCE/PHYSICAL STATE: Light brown suspension		

Section IX - Stability and Reactivity

CHEMICAL STABILITY: Not chemically reactive. HAZARDOUS DECOMPOSITION PRODUCTS: ND
 HAZARDOUS POLYMERIZATION: Not known to occur.
 INCOMPATIBILITIES: Not incompatible with any known packing material.

Section X - Toxicological Information

ORAL TOXICITY: LD50 > 5000 mg/kg in rate. EPA Category IV.
 DERMAL TOXICITY: LD50 > 2500 mg/kg in rabbits. EPA Category III.
 INHALATION TOXICITY: LC50 > 5.39 MG/L EPA Category IV.
 DERMAL IRRITATION: Very slight skin reactions up to 6 days after treatment. EPA Category IV.
 OCULAR IRRITATION: Mild redness clearing after 24 hours. EPA Category IV.
 DERMAL SENSITIZATION: ND CORROSIVENESS: No
 SPECIAL TARGET ORGAN EFFECTS: ND CARCINOGENICITY: ND

Section XII - Ecological Information

ECOLOGICAL INFORMATION: Studies on non-targets have been performed. The following species have been included in the testing. Mammals (rats, rabbits), Freshwater aquatic invertebrate (Daphnia Magna, Rainbow Trout), Birds (Mallard Duck, Bobwhite), and Non-target insects (Green Lacewing Larvae, Hymenopteran Brachymeria intermedia). Slight toxicity was observed in Daphnia magna, Ladybird beetles, and Honey bees exposed to product.

Section XIII - Disposal Considerations

WASTE DISPOSAL METHODS: Dispose of product in accordance with federal, state and local regulations.

Section XIV - Transportation Information

DOT	STATUS: Not Regulated	IATA/ICAO	STATUS: Not Regulated
PROPER SHIPPING NAME: ND		PROPER SHIPPING NAME: ND	
HAZARD CLASS: ND		HAZARD CLASS: ND	
UN NUMBER: ND		UN NUMBER: ND	
REPORTABLE QUANTITY: ND		REPORTABLE QUANTITY: ND	

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PROPER SHIPPING NAME: ND	
HAZARD CLASS: ND	
UN NUMBER: ND	
REPORTABLE QUANTITY: ND	

Section XV - Regulatory Information

TSCA STATUS: Exempt	CERCLA STATUS: ND	SARA STATUS: ND
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NOTICE: This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE	N/E: NOT ESTABLISHED	ND: Not Determined
TLV: THRESHOLD LIMIT VALUE	TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY	
STEL: SHORT TERM EXPOSURE LIMIT	D.O.T.: DEPARTMENT OF TRANSPORTATION	

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