

ABBOTT LABORATORIES

VectoBac[®] 12AS

Biological Larvicide

Material Safety Data Sheet

Abbott Laboratories
Chemical & Agricultural Products Division
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Emergency Telephone: 1-800-323-9597
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Issue Date: 02/16/96
List/Code: 5605/15576
DOT Classification: Not Regulated
EPA Registration No.: 275-102
Emergency Overview: This material may cause eye or skin irritation and may be a skin sensitizer.
NFPA: Health - 1; Fire - 1; Reactivity - 0

COMPOSITION / INGREDIENTS

Ingredient Name:	<i>Bacillus thuringiensis</i> <i>var. israelensis*</i>	Inert Ingredients*
% Concentration:	1.2%	98.8%
CAS/RTECS Numbers:	N/A / N/A	N/A / 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	50 ppm total vapor and aerosol, 10 mg/m ³ aerosol for a minor component
LIMITS STEL:	N/A	N/A
Ceiling:	N/A	N/A

*Hazardous per OSHA criteria.

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 may cause eyes or skin irritation.
Medical Conditions Aggravated by Exposure: N/D. Data suggest pre-existing skin or eye lesions and hypersensitivity to similar VectoBac formulations.
Oral Toxicity: LD50 > 5,000 mg/kg in rats.
Dermal Toxicity: LD50 > 5,000 mg/kg in rabbits.
Inhalation Toxicity: LC50 > 5.34 mg/ltr./4 hours in rats.
Corrosiveness: N/D
Dermal Irritation: Mild to moderate irritation noted in rabbits.
Carcinogenicity Information: N/D

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HEALTH CONSIDERATIONS continued

Ocular Irritation:	Mild irritation in rabbits, reversible in 72 hours.
Dermal Sensitization:	N/D. Positive in a dermal sensitization study in guinea pigs with a similar formulation.
Target Organs:	Skin, possibly hematopoietic system.
Special Target Organ Effects:	N/D. A minor ingredient produced Heinz body formation or erythrocyte destruction in animals at repeated dosages of 500 mg/kg or more.

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 fire.
Fire Fighting Instructions:	Wear protective clothing and self-contained breathing apparatus.

SAFE HANDLING, USE, STORAGE, and DISPOSAL

Handling:	N/D
Storage:	Avoid excessive storage temperatures and direct sunlight.
Special Precautions:	Wash hands and face after handling this compound. Keep latex gloves on until all potentially contaminated personal protective equipment is removed.
Spill or Release Procedures:	Recover product and place into appropriate container for disposal. Ventilate and wash area.
Disposal:	Dispose of product in accordance with federal, state, and local regulations.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Field Application: Refer to product label.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Light Brown Suspension.
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:	1.06-1.1 g/mL
Specific Gravity:	N/D
Solubility:	Disperses well in water.
pH:	4.6-5.0
Viscosity:	250-1000 cps at 25°C
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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