

ABBOTT LABORATORIES

**VectoBac<sup>®</sup> 12AS**

**Biological Larvicide**

## Material Safety Data Sheet

Abbott Laboratories, Inc.  
Chemical & Agricultural Products Division  
North Chicago, IL 60064-6316  
Emergency Telephone: 1-800-323-9597  
Chemtrec: 1-800-424-9300

**Issue Date:** 6/17/99  
**List/Code:** 5605/15576  
**DOT Classification:** Not Regulated  
**EPA Registration No.:** 275-102  
**Emergency Overview:** May be irritating to skin and eyes and may be a skin sensitizer.  
**NFPA:** Health - 1; Fire - 1; Reactivity - 0

### COMPOSITION / INGREDIENTS

<b>Ingredient Name:</b>	<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i>	Inert Ingredients*
<b>% Concentration:</b>	1.2%	98.8%
<b>CAS/RTECS Numbers:</b>	N/A / N/A	N/A/ 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	50 ppm total vapor and aerosol, 10 mg/m <sup>3</sup> aerosol alone (AIHA WEEL) for a minor component
<b>LIMITS</b>	<b>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

**Route(s) of Entry:** Skin: No    Inhalation: N/D    Ingestion: No  
**Carcinogenicity Rating:** NTP: N/L    IARC: N/L    OSHA: N/L    ACGIH: N/L None  
**Signs and Symptoms:** N/D. Data suggest mild irritation response from eye contact and dermatitis from skin contact.

**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:** Not lethal in an inhalation study with rats at an aerosol concentration of 5.34 mg/ltr/4 hours.

**Corrosiveness:** N/D  
**Dermal Irritation:** Mild to moderate redness, clearing in 13 days, was seen in a skin irritation test in rabbits.

**Carcinogenicity Information:** N/D

**HEALTH CONSIDERATIONS continued**

<b>Ocular Irritation:</b>	Produced mild redness, swelling and discharge that cleared in 72 hours in an eye irritation test in rabbits.
<b>Dermal Sensitization:</b>	Eight of ten animals positive in a dermal sensitization study in guinea pigs with a similar formulation.
<b>Target Organs:</b>	Skin, possibly hematopoietic system.
<b>Special Target Organ Effects:</b>	N/D. A minor ingredient produced Heinz body formation or erythrocyte destruction in animals at repeated dosages of 500 mg/kg or more.

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**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.

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**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 media for underlying cause of fire.
<b>Fire Fighting Instructions:</b>	Wear protective clothing and self-contained breathing apparatus.

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**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. Keep latex gloves on until all potentially contaminated personal protective equipment is removed.
<b>Spill or Release Procedures:</b>	Recover product and place into appropriate container for disposal. Ventilate and wash area.
<b>Disposal:</b>	Dispose of product in accordance with federal, state, and local regulations.

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**PHYSICAL AND CHEMICAL PROPERTIES**

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

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**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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