

Material Safety Data Sheet

Publication Date: July 1997
Revised On: November 2006

Sheet No: T/SA 01/5
Revision number: 3

Teknar HP-D Larvicide

COMPANY DETAILS:

Wefco Marketing International cc
Reg. No. 1989/006076/23
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SOUTH AFRICA

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Website: www.wefco.co.za

Emergency Telephone No or An Authorised Advisory Centre:

Red Cross Hospital (Children Only), Cape Town:	(021) 6585075
Tygerberg Hospital (Adults Only), Cape Town:	(021) 9316129
Pharmacology Universitas Hospital, Bloemfontein:	(051) 4013170
St Augustines Hospital, Durban:	0800 333444
Garden City Poison Centre, Johannesburg:	(011) 4955112
Pretoria Unitas Hospital, Pretoria:	0800 633444

1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Name:	<i>Teknar HP-D (Larvicide)</i>
Registration Number:	L 3260
Appearance:	Brown Liquid
Use:	Biological Insecticide for control of mosquito and black fly larvae

2) COMPOSITION / INFORMATION ON INGREDIENTS

<i>Bacillus thuringiensis israelensis</i>	1.6%
CAS No:	68038-71-1

3) HAZARDS IDENTIFICATION

Product is a microbial insecticide derived from the natural occurring bacteria, which is highly specific in activity and practically non-toxic to animals and man.

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4) FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Centre. Inform them of the complete product name, active ingredient and amount of exposure. Describe any symptoms and follow the advice given. Symptoms of acute exposure may result in eye, skin or respiratory tract irritation. A skin sensitization (allergic) reaction may occur in sensitive individuals.

Ingestion

If victim is fully conscious, give a large quantity of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.

Eye Contact

Immediately rinse eyes with a large amount of water. Hold eyelids apart to rinse the entire surface of the eyes and eyelids. Do not apply any medicating agents except on the advice of the physician.

Skin Contact

Wash with plenty of soap and water, including hair and under the fingernails. Do not apply any medicating agent except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.

Inhalation

Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Notes to Physician

There is no specific antidote if this product is ingested. Treat symptomatically.

5) FIRE FIGHTING MEASURES

Specific Hazard

Contents are non-flammable

Decomposition of Product in Fire

Under thermal decomposition may emit irritating and toxic fumes

Fire Extinguisher Agents

Use dry chemical, foam, or CO² extinguishing media.

Protection for Fire Fighters

Wear full protective clothing and self-contained breathing apparatus if circumstances dictate. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

Specific Methods

Cool down container. Contain spillage using sand or earth barriers. Prevent use of contaminated buildings, area, and equipment until decontaminated.

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6) ACCIDENTAL RELEASE MEASURES

PRECAUTIONS

Personnel

No unprotected person should be allowed in the vicinity of the spillage. Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long sleeved shirt, long pants, head covering, and a NIOSH-approved chemical cartridge pesticide respirator or a supplied- air respirator.

Environmental

Take all necessary steps to protect the contamination of water, waterways and sewage systems. The product is not toxic to fish and bees and other aquatic life. Target specific.

Method of Cleaning

For small spills, cover with an absorbent material such as pet litter or sand. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate the water supplies.

7) HANDLING AND STORAGE

Handling Warning

Do not drink or smoke whilst handling the product. Always wash hands after handling.

Precautions

Avoid contamination of food, feedstuffs and drinking water and keep out of reach of children.

Storage

Store the material in its original container in a well ventilated, secure area out of the reach of children and domestic animals.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Ingestion

Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

Eye Contact

To avoid eye contact, wear safety glasses with side shields or chemical goggles.

Skin Contact

To avoid skin contact, wear rubber gloves, rubber boots, long sleeved shirt, long pants and a head covering.

Inhalation

To avoid breathing mist or vapours, wear a NIOSH approved chemical cartridge pesticide respirator or a supplied air respirator.

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9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown Liquid
Odour:	Slight Fish Odour
Melting Point:	Not Applicable
Boiling Point:	100 ⁰ C (212 ⁰ F)
Specific Gravity/Density:	1.08
pH:	Not Available
Solubility in H²O:	Not Available
Vapour Pressure:	Not Available

10) STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition Products:	None Known

11) TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies

Oral toxicity

Practically non-toxic
Oral LD₅₀ (Rat) > 5 000 mg/kg body weight

Dermal Toxicity

Slightly toxic
Dermal LD₅₀ (Rabbit) > 2 000 mg/kg body weight

Inhalation

Not Available Inhalation LC₅₀ (Rat) Not available

12) ECOLOGICAL INFORMATION

Summary of Effects:	Low toxicity to fish and wildlife
Eco- Acute Toxicity:	Bobwhite Oral LD ₅₀ > 16 665 mg/kg Mallard Oral LD ₅₀ > 16 665 mg/kg
Eco- Chronic Toxicity: CFU/L	Invertebrate (Daphnia magna) Life Cycle NOEL 1.6E08
Environmental Fate:	Not Available

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13) DISPOSAL CONSIDERATION

Do not reuse product container. Dispose of product container, waste container and residues according to local and environmental regulations.

14) TRANSPORT INFORMATION

DOT Classification: Not Applicable- No Label or Placard Required.

B/L Freight Classification: Insecticides or Fungicides; Agricultural, N.O.S.

International Transportation: Not applicable

15) REGULATORY INFORMATION

SARA Title III Classification

Section 311/312: Acute Health Hazard
Section 313 chemical(s): Not Applicable
Proposition 65: Not Applicable

CERCLA Reportable Quantity (RQ): None

RCRA Classification: Not Applicable

TSCA Status: Exempt from TSCA

16) OTHER INFORMATION

NFPA Hazards Ratings:

Health: 1 (Slightly hazardous)
Flammability: 0
Reactivity: 0

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