

SAFETY DATA SHEET

1. IDENTIFICATION

EMERGENCY TELEPHONE NUMBER:

1-800-535-5053 (Infotrac)

Trade Name: Spear-Lep PCP# 34678

Active Ingredient: GS-omega/kappa-HxTx-Hv1a

Other Means of Identification: EPA Reg. No. 88847-6

Recommended Use: Biological Insecticide

MANUFACTURER:

Vestaron Corporation
4025 Stirrup Creek Drive, Suite 400
Durham, NC 27703
(919) 694-1022

DISTRIBUTED BY:

Plant Products Inc.
50 Hazelton St.
Leamington, ON N8H 3W1, Canada
519-326-9037

2. HAZARDS IDENTIFICATION

Hazard Classification: Category 4, Acute toxicity - Inhalation

Signal Word: Warning

Hazard Statements: Harmful if inhaled

Precautionary Statements:

Prevention: Avoid breathing mist or spray. Use only outdoors or in a well-ventilated area.

Response: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

Other Hazards: None Known



GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR1910.1200)

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	% (wt/wt)
GS-omega/kappa-Hctx-Hv1a	2307677-15-0	2.0
1,2-benzisothiazolin-3-one	2634-33-5	0.028

4. FIRST AID MEASURES

If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: All methods. However, the product is non-flammable.

SPECIFIC HAZARDS ARISING FROM CHEMICAL: None known.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS: None known.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, & EMERGENCY PROCEDURES: Wash the spill area.

ENVIRONMENTAL PRECAUTIONS: Product not classified as hazardous for the environment. Avoid spills as much as possible.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Recover product and place in an appropriate container for disposal.

7. HANDLING & STORAGE

Store this product away from food or feed. Store product in original container at room temperature for up to one year. Do not allow product to freeze. Finish all the product after opening the bottle. Do not store opened bottle for later use. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: This product does NOT contain substances with PEL, ACGIH, or TLV values.

ENGINEERING CONTROLS: Use outdoors or in a well-ventilated area. Use good general industrial hygiene practice.

PERSONAL PROTECTION: Wear impervious gloves, protective clothing, and safety goggles.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Brown liquid

ODOR THRESHOLD: Not determined

EVAPORATION RATE: Not determined

VAPOR PRESSURE: Not determined

RELATIVE DENSITY: 1.03 g/mL

SOLUBILITY in water: Soluble

FLAMMABILITY LIMITS: Not determined

AUTO-IGNITION TEMP: Not determined

PARTITION COEFFICIENT: Not determined

ODOR: Yeast

FLASH POINT: Not determined

FLAMMABILITY: Not flammable

MELTING POINT: Not determined

BOILING POINT: Not determined

VAPOR DENSITY: Not determined

VISCOSITY: 1.6 Cs (20°C)

pH: 4.5-6.0 (2% v/v)

DECOMPOSITION TEMP: Not determined

10. STABILITY & REACTIVITY

REACTIVITY: Non-reactive.

STABILITY: Stable under recommended storage conditions.

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID: No data available.

INCOMPATIBILITY: No data available.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: None known.

11. TOXICOLOGICAL DATA

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Inhalation, dermal contact, eye contact, ingestion.

POTENTIAL ACUTE HEALTH EFFECTS:

INHALATION: May be harmful if inhaled.

EYE CONTACT: Possible irritation.

SKIN CONTACT: Possible irritation in case of prolonged contact

INGESTION: Possible pain in esophagus and stomach, gastrointestinal symptoms.

POTENTIAL CHRONIC HEALTH EFFECTS: None known.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY: Oral >5000 mg/kg, Dermal >5000 mg/kg, Inhalation > 2.05 mg/L. No deaths reported at this level.

SKIN IRRITATION: Not a sensitizer.

EYE IRRITATION: Causes initial mild eye irritation.

SENSITIZATION: Not a contact skin sensitizer.

MUTAGENICITY: Not a mutagen.

CARCINOGENICITY: No ingredients are listed by NTP, OSHA, or ACGIH as a carcinogen.

REPRODUCTIVE TOXICITY: Not a reproductive toxicant.

TERATOGENICITY: Not a teratogen.

SPECIFIC TARGET ORGAN TOXICITY: No adverse effects.

12. ECOLOGICAL INFORMATION

Data presented below are based on results for (VST-006325 TGAI).

LC50 Fish: >100 mg a.i./L (Exposure time 96 h; Species *Oncorhynchus mykiss*)

EC50 Daphnia: >1000 mg a.i./L (Exposure time 48 h; Species *Daphnia magna*)

LD50 Avian: >2000 mg/kg-bw (Exposure time 14 d; Species *Colinus virginianus*)

LD50 Honey Bee Oral: > 100 ug ai/bee (Exposure time 48 h; Species *Apis mellifera*)

LD50 Honey Bee Contact: > 25 ug ai/bee (Exposure time 48 h; Species *Apis mellifera*)

13. DISPOSAL CONSIDERATIONS

Recyclable containers:

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable containers:

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Refillable containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

14. TRANSPORT INFORMATION

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

15. REGULATORY INFORMATION

REGISTRATION NO.: 34678 PEST CONTROL PRODUCTS ACT

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.

CAUTION-SKIN IRRITANT

Harmful if absorbed through skin.

Causes moderate eye irritation.

· **SARA Title III**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

This product contains chemical substance(s) either listed on, or exempt from, U.S. EPA TSCA Inventory requirements.

Proposition 65

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

Carcinogenicity categories

· **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16. OTHER INFORMATION

Prepared according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Supersedes version : N/A