

## Safety Data Sheet: Sumilarv Insect Growth Regulator

### 1. IDENTIFICATION

<b>Product Name:</b>	Sumilarv Insect Growth Regulator
<b>Other Names:</b>	-
<b>Recommended Use:</b>	Insect growth regulator for cockroaches and fleas; breaks breeding cycle.
<b>Distributor:</b>	Key Industries Ltd
<b>Address:</b>	P.O. Box 65070, Mairangi Bay, Auckland 0754
<b>Telephone:</b>	09 917 1791
<b>Emergency Phone:</b>	027 494 1659
<b>National Poisons Centre:</b>	0800 POISON (0800 764 766)

### 2. HAZARDS IDENTIFICATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

<b>Approval:</b>	HSR000705
<b>Hazard Classifications:</b>	3.1D, 6.3B, 6.4A, 6.9B, 9.1B
<b>Pictograms:</b>	



<b>Signal word:</b>	WARNING
<b>Hazard statements:</b>	H227 Combustible liquid. H316 Causes mild skin irritation. H319 Causes serious eye irritation. H371 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
<b>Precautionary statements:</b>	
<b>Prevention:</b>	P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P260 Do not breathe mist/vapours/spray. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection.
<b>Response:</b>	P314 Get medical attention if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.

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P332 + P313 If skin irritation occurs: Get medical advice.

P370 + P378 In case of fire: Stop leak if safe to do so.

P391 Collect spillage.

P403 + P235 Store in well-ventilated place. Keep cool.

P501 Dispose of product and container in accordance with local regulations.

### Storage:

### Disposal:

### Other information:

*Hazardous Substance (Labelling) Notice 2017*

Refer Section 15.

*NZS5433 Transportation of Dangerous Goods on Land*

Classified as DG Class 9 for transport. Refer Section 14.

## 3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Pyriproxyfen	95737-68-1	2
Propane-1,2-diol	57-55-6	10 - 30
Other ingredients *	Proprietary	Balance
* do not affect the hazardous classifications of the product		

## 4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Have product label or Safety Data Sheet at hand.

**INGESTION:** Rinse mouth. Do NOT induce vomiting. Get medical advice if person feels unwell.

If vomiting occurs spontaneously, keep head below hips to prevent vomit entering lungs.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. If irritation or rash occurs, obtain medical advice. Wash contaminated clothing before reuse.

**EYE CONTACT:** Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. Get medical advice if irritation persists.

**INHALATION:** Remove patient to fresh air and keep at rest in a position comfortable for breathing until recovered. Get medical advice if person feels unwell or has respiratory symptoms, e.g. difficulty breathing.

### First Aid facilities:

Provide eye baths and safety showers close to work areas.

### Advice to Doctor:

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Flashpoint:** Non-flammable.

**Suitable extinguishing media:** Dry chemical, carbon dioxide, or foam. Use water fog/spray as appropriate for surrounding materials. Do not use water jet.

**Hazards from combustion products:** May generate harmful/toxic fumes/gases and smoke.

**Precautions for fire fighters and special protective equipment:** Do not breathe vapour from heated material. Wear self-contained breathing apparatus with full face-piece and protective clothing.

**Hazchem Code:** 3Z.

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### 6. ACCIDENTAL RELEASE MEASURES:

#### Personal Precautions:

Wear appropriate personal protection equipment to prevent contact with skin and eyes. Do not breathe vapours or spray mist.

#### Environmental Precautions:

Stop leak and eliminate/isolate ignition sources if safe to do so. No smoking, sparks, flames or other sources of heat/ignition to be located near spillage. Contain spill and prevent from entering confined spaces or from entering drains, sewer or any water course. In event of large spill and contamination of a water-course, notify the Police, local Health Protection Officer and Council.

#### Methods and materials for containment

Contain any liquid spillage with earth, clay, sand or similar absorbent material. Collect into labeled container that can be sealed for disposal to landfill. Wash down area with water.

### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling:

Keep out of reach of children. Read and observe all precautions and safety instructions on the label. Product is combustible. No smoking. Keep away from food or feed stuffs, and any source of heat/ignition. Use in well-ventilated area, or with mechanical ventilation in enclosed spaces. Wear impervious gloves and protect eyes from splashes. Launder contaminated clothing before reuse.

#### Conditions for Safe Storage:

Store upright in closed original packaging and out of reach of children. Keep in a cool, well-ventilated place, out of direct sunlight, and away from sources of ignition or heat. Do not store at temperatures exceeding 50 °C. Do not store with combustible materials, animal feed or foodstuffs.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Health Exposure Standards:** Workplace Exposure Standards (WES), have been set by Worksafe for a component in this substance:

	WES-TWA
Propane-1,2-diol; vapour and particulates	150 ppm, 474 mg/m <sup>3</sup>
particulates only	10 mg/m <sup>3</sup>

**Biological limit values:** None established

#### Engineering Controls:

**Ventilation:** Use outdoors or in a well-ventilated area.

#### Personal Protective Equipment:

**Respiratory Protection:** Respiratory protection should not be necessary when used in well-ventilated area or with mechanical ventilation in enclosed spaces.

**Eye Protection:** Wear chemical goggles or safety glasses with side shields.

**Skin/ Body Protection:** Wear impervious gloves, e.g. rubber, cotton overalls and closed in footwear.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear yellowish liquid
Odour	Non specific
Odour threshold	Not determined
pH	8.2
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not available
Flash Point °C	>60°C
Flammability (solid, gas)	Not applicable
Upper/lower flammability/explosive limits	Not applicable
Vapour Pressure mm Hg @ 20°C	Not available
Vapour Density Pa @ 25°C	Not determined
Relative density	1.03 -1.05 (@20°C)
Solubilities	Not available
Partition coefficient: n-octanol/water	Not available
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	23.7 Cp (24°C)

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat or flame/ignition sources.

**Hazardous decomposition products:** On combustion, harmful/ toxic fumes/gases and smoke generated.

**Hazardous reactions:** Not known to occur.

### 11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

**Acute toxicity:** Not classified as being acutely toxic by ingestion, dermal contact or inhalation.

**Aspiration hazard:** Not classified as an aspiration hazard.

**Respiratory irritation:** Not classified as respiratory irritant. Spray/mists may cause respiratory tract irritation.

**Skin corrosion/irritation:** Mild skin irritant.

**Serious eye damage/irritation:** Irritating to eyes.

**Respiratory or skin sensitization:** Not classified as sensitiser.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**Specific organ toxicity:** May cause damage to systems or organs through repeated or prolonged exposure.

**Narcotic effects:** Not classified.

**Toxicological Information:** Not available.

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This mixture is classified as toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product, or when disposing of product or container.

**Persistence and degradability:** Pyriproxyfen is not rapidly biodegradable.

**Potential to be bioaccumulative:** Pyriproxyfen has potential to bioaccumulate.

**Mobility in soil:** No specific information available.

**Other adverse effects:** No information available

**Ecotoxicological Information:**

Pyriproxyfen Carp LC<sub>50</sub> (96 hr) 0.45 mg/L

*Daphnia carinata sensu lato* LC<sub>50</sub> (48 hr) 0.08 g/L

Green alga (*Selenastrum* sp) EC<sub>50</sub> (72 hr) 0.056 g/L

Cockroach (*Blatella germanica*) LD50 0.1 µg ai/nymph

**Environmental Exposure Limits (EEL's):** Not set.

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Ensure packaging is empty before disposal to landfill. Do not reuse empty containers. Containers may contain residue that is hazardous.

Waste should be disposed of to an approved waste disposal facility or by burying at an approved site. Ensure disposal of packaging and product is in compliance with requirements of national and local authorities.

### 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PYRIPROXYFEN)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PYRIPROXYFEN)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PYRIPROXYFEN)
DG Class	9	DG Class	9	DG Class	9
Sub. Risk	-	Sub. Risk	-	Sub. Risk	-
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Z	Hazchem	3Z		

**Marine Pollutant:** Yes

**Dangerous Goods Segregation**

This product is classified as a Dangerous Good Class 9, for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

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### 15. REGULATORY INFORMATION

#### HSNO Act 1996

**Approval Code:** HSR000705; Soluble concentrate containing 20 g/L pyriproxyfen

**Classifications:** 3.1D, 6.3B, 6.4A, 9.1B.

**Controls:** Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for information on Controls.

**Additional Controls under Regulation 77a:** Do not apply onto or into water.

#### Additional label statement requirements under Hazardous Substances (Labelling) Notice 2017:

- Pictograms, signal word, hazard statements and precautionary statements
- Disposal information
- Statement (consumer product): Read label before use.
- Statement: Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
- Statement (or similar wording): Do not apply directly into or onto water.

#### ACVM Act 1997

**Registration Number:** Not applicable (exempt).

**Tradename:**

### 16. OTHER INFORMATION

**Date of issue:** 29<sup>th</sup> August 2019

**Reasons for Issue:** NZ SDS format..

**Replaces:** Not applicable.

#### Abbreviations:

ACVM	Agricultural Compounds and Veterinary Medicines
ECHA	European Chemical Agency
EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

#### References:

EPA [www.epa.govt.nz](http://www.epa.govt.nz)

Supplier information and SDS

Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.

**EMERGENCY PHONE: KEY INDUSTRIES LTD (Frank Visser, Managing Director): 0274 941 659**

**Date of Issue: 29th August 2019**

**Date of Revision: August 2024**