

# SAFETY DATA SHEET

**KIWICARE<sup>®</sup>**

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 1 of 10

## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>Insect Guard Plug-In Mosquito Repeller</b>
Recommended uses:	Insecticide
Restrictions on Use/Supply:	Do not allow spray to get into or onto aquarium water.
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	<a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>
Website:	<a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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# SAFETY DATA SHEET

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 2 of 10

## 2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Asp.Tox.1	Not applicable for the UN RTDG Model Regulations		Danger	H304	P102 P103	P101 P301+P310 P331	P405	P501
STOT RE 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
Aquatic Acute 1			Warning	H400	P103 P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 P273	P391	No storage statements	P501

Signal word:

DANGER

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Aspirational Toxicity Cat. 1

Specific Target Organ Repeated Exposure Cat. 2

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 2

Pictograms:



Hazard Statement:

H304: May be fatal if swallowed and enters airways.

H373: May cause damage to the nervous system through repeated or prolonged oral consumption.

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# SAFETY DATA SHEET

**KIWICARE<sup>®</sup>**

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 3 of 10

## Precautionary Statements:

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Hazardous to terrestrial invertebrates.

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe mist or spray.

P273: Avoid release to the environment.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or a doctor/physician.

P314: Get medical advice if you feel unwell.

P331: Do NOT induce vomiting.

P391: Collect spillage.

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear liquid

### Ingredients

Ingredients	CAS #	Content %
Prallethrin	23031-36-9	≤ 1.5%
Iso-paraffin (C11-C16, isoalkanes, <2% aromatics)	64742-47-8	97-99%

## 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek immediate medical advice or call the National POISON Centre on 0800 764 766 (show the label where possible).

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 4 of 10

Ingestion:	Rinse mouth. Do NOT induce vomiting. Seek immediate medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Eye Contact:	Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation develops, seek medical advice, and have product label at hand.
Skin Contact:	Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If skin irritation develops seek medical advice and have the product label at hand.
Inhalation:	May cause irritation upon inhalation. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	No data for the mixture

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 5 of 10

Minor Spills (Up to 20 kg):	Environmentally hazardous substance. Contain spill and collect.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.  Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist. When handling product in bulk, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Clean equipment after use. Do not contaminate drains, sewers or waterways.
Conditions for safe Storage including incompatibilities:	Keep out of the reach of children. Store in original container, locked up, in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.  Minimum shelf life: 2 years.
Protection against fire and explosion:	Keep away from heat sources although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	No exposure standards apply to this product
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	No special requirements when used as recommended.
Eye protection:	No special requirement when used as recommended.
Body protection:	No special requirements when used as recommended.

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# SAFETY DATA SHEET

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 6 of 10

Respiratory Protection: No special requirement when used as recommended.

General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes and clothing.

Environmental Exposure Controls: Minimise release to the environment

## Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Active ingredient or component specification	77A	The following limit has been set for toxicologically relevant impurities in the solvent used to manufacture this substance: aromatic hydrocarbons (toluene, benzene, xylene, and naphthalene) must not be present at more than 0.1% in the solvent.
Label	77A	The substance label must include the following statement, or words to the same effect: Do not allow spray to get into or onto aquarium water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Odour:	Characteristic odour
Odour Threshold:	No data
pH Value:	No data
Melting/freezing point:	No data (Prallethrin: Liquid at room temperature)
Boiling point (range):	No data (Prallethrin: 313.5°C at 760 mm Hg)
Flash Point:	No data (Prallethrin: 139°C – closed cup)
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data (Prallethrin: 3.5×10 <sup>-5</sup> mm Hg at 20°C)
Vapour density:	No data
Relative density:	800 g/l (20° C)
Solubility:	Insoluble

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# SAFETY DATA SHEET

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 7 of 10

Partition coefficient:	No data (Prallethrin: log Know = 4.49 at 25°C)
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	No data

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoided:	None
Corrosive Properties:	Not corrosive to metals.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Class:	Asp.Tox.1, STOT RE 2
Acute Toxicity:	No data for the mixture Prallethrin Acute oral LD <sub>50</sub> = 460 mg/kg (rat). Acute dermal LD <sub>50</sub> = 5000 mg/kg (rat) Acute inhalation LC <sub>50</sub> = 0.29 mg/L (rat)
Aspiration hazard:	May be fatal if swallowed and enters airways.
Skin corrosion/irritation:	Unlikely to cause skin corrosion or irritation.
Serious eye damage/irritation:	Unlikely to cause eye corrosion or irritation.
Respiratory or skin sensitisation:	Unlikely to cause skin sensitisation and/or contact dermatitis
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 8 of 10

Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not applicable
Specific organ toxicity – repeated exposure:	Central nervous system
Narcotic effects:	No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	Very Toxic to aquatic life with long-lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging.  Prallethrin Rainbow trout, LC <sub>50</sub> (96 hr) = 0.012 mg/L Water flea, EC50 (48 hr) = 0.0062mg/L
Bioaccumulation:	Not likely to bioaccumulate
Soil Toxicity:	No soil toxicity.

## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.
Container Disposal:	Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations.  Do NOT reuse containers. Do NOT burn
Methods of disposal to avoid	Do not empty down stormwater system

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# SAFETY DATA SHEET

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 9 of 10

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number:	3082
Dangerous Goods Class:	Class 9
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, liquid, N.O.S (Prallethrin)
Segregation:	Not applicable

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101332
GHS Classifications:	Asp.Tox.1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1
HSNO Controls:	Refer to HSR101332
Additional Controls:	Store containing more than 100L should have secondary containment, emergency response plan and signage.

## 16. OTHER INFORMATION

SDS date of preparation:	25 / 03 / 2024
SDS date of revision:	25 / 03 / 2029

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, [www.kiwicare.co.nz](http://www.kiwicare.co.nz), or contact the supplier of the starting material.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *Insect Guard Plug-In Mosquito Repeller*

Print/View Date: 25/03/2024

Page 10 of 10

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Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

## Abbreviations:

ADR:	European agreement concerning the international carriage of Dangerous goods by Road
CLP:	Classification Labelling and Packaging
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase
HSNO:	Hazardous Substances and New Organisms (1996) Act
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
IMDG:	International Maritime Dangerous Goods
P Phrase:	Precautionary Phrase
RID:	Regulations concerning the International carriage of Dangerous good by rail
STEL:	Short-Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

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