

# SAFETY DATA SHEET

Product Name: Insect Guard Mosquitos Repellent Plug-in

Print/View Date: 29/05/2025

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	Insect Guard Mosquitos Repellent Plug-in
Recommended uses:	Insecticide/insect repellent
Restrictions on Use/Supply:	Do not allow spray to get into or onto 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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## 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 <sup>b</sup> P103 <sup>b</sup>	P101 <sup>b</sup> P301 + P310 P331	P405	P501
STOT Rep. Exp. 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 <sup>b</sup> P260	P314	No storage statements	P501
Aquatic Acute 1			Warning	H400	P103 <sup>b</sup> P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 <sup>b</sup> P273	P391	No storage statements	P501

Signal word:

DANGER

Dangerous Goods:

Class 9

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Aspiration hazard category 1.

STOT repeated exposure category 2.

Aquatic Acute/Chronic category 1.

Pictograms:



Hazard Statement:

H304: May be fatal if swallowed and enters airways.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

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

Hazardous to terrestrial invertebrates.

## Precautionary Statements:

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 vapours/spray

P273: Avoid release into the environment

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

P314: Get medical advice/attention if you feel unwell

P331: Do NOT induce vomiting

P391: Collect spillage

P405: Store locked up

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: Liquid

### Ingredients

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

## 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call NZ Poisons Centre on 0800

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	764 766 or doctor/physician and have product label at hand.
Eye Contact:	Unlikely to cause eye irritation.
Skin Contact:	Unlikely to cause skin irritation
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, remove to fresh air and keep at rest in a position comfortable for breathing.
Advice for Medical Doctors:	Synthetic pyrethroids can produce paraesthesia. There is no specific antidote, treatment must be symptomatic. Keep the patient warm and calm. Consult standard literature for Hydrocarbon poison. Call a doctor or poison control centre for guidance or call NZ Poisons Centre on 0800 764 766.

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
Specific Hazards:	May give off toxic fumes (carbon monoxide and carbon dioxide) if heated to decomposition. Do not breathe fumes. Wear self-contained breathing apparatus.
Suitable Extinguishing Media:	Appropriate fire extinguishers are water spray, CO <sub>2</sub> , powder, or alcohol-resistant foam. Use extinguishing media appropriate to the surrounding conditions. Minimise the use of water to prevent environmental contamination.
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 mixture  Prallethrin: May give off toxic fumes (carbon monoxide and carbon dioxide) if heated to decomposition.

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## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so. Do not let product enter sewers or waterways. Discharge into the environment must be avoided.
Minor Spills (Up to 20 kg):	Stop the source of the spill if it is safe to do so. Contain the spill and collect. Wear personal protective equipment as specified in Section 8. Do not allow material to enter sewers or bodies of water.
Major Spills (more than 20 kg):	<p>Minimise spread. Contain spill and collect. Wear personal protective equipment as specified in Section 8. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.</p> <p>Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.</p>

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Do not breathe vapours/spray. 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:	<p>Keep out of the reach of children. Store locked up and in original container 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.</p> <p>Minimum shelf life: 2 years.</p>

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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: See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure April 2022, Edition 13)

Engineering Controls: No special requirements when used as recommended.

Hand protection: If repeated or prolonged contact, wear chemical resistant gloves.

Eye protection: No special requirement when used as recommended.

Body protection: Skin protection not ordinarily required beyond standard issue work clothes.

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. Wash hands after use and before eating, drinking, or smoking.

Environmental Exposure Controls: Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation.

### Exposure Standards:

		TWA		STEL	
Substance	Cas #	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Prallethrin	23031-36-9	-	-	-	-

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## Additional NZ EPA controls:

Code	Section of HSNO Act	Control
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.
Impurity limit	77A	The following limits are 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 0.01% in the solvent.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Odour:	Characteristic odour
Odour Threshold:	No data
pH Value:	6.1
Melting/freezing point:	Liquid at room temperature
Boiling point (range):	>100°C
Flash Point:	>100°C
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	~1.000
Solubility:	Insoluble
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	Not applicable

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## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use.
Incompatibility or conditions to be avoid:	Strong oxidizing agents. Do not mix with bleach or any other household cleaners. Strong bases.
Corrosive Properties:	Not corrosive.
Thermal Decomposition:	When handled and stored appropriately, no dangerous decomposition products are known. Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Class:	Aspiration hazard category 1. STOT repeated exposure category 2. Aquatic Acute/Chronic category 1.
Acute Toxicity:	No data for mixture Prallethin: Acute oral LD <sub>50</sub> = 460 mg/kg (rat). Acute dermal LD <sub>50</sub> = 5000 mg/kg (rat)
Aspiration hazard:	May cause irritation on inhalation of spray or vapour
Skin corrosion/irritation:	Unlikely to cause skin irritation.
Serious eye damage/irritation:	Unlikely to cause eye 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.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Acute oral LD <sub>50</sub> > 5000 mg/kg (calculated)

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Specific organ toxicity – repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

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:

Toxic to aquatic life. Do not contaminate waterways, sewers, or drains when using product or packaging. Hazardous to terrestrial invertebrates.

Prallethrin:

Rainbow trout, LC<sub>50</sub> (96 hr) = 0.012 mg/L

Water flea, EC<sub>50</sub> (48 hr) = 0.0062m g/L

Bioaccumulation:

Prallethrin is bioaccumulative; not degradable.

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 or into waterway.

## 14. TRANSPORT INFORMATION

**Road, Rail; Marine and Air:**

UN Number:

3082

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The KIWICARE logo is located in the top right corner. It consists of the word "KIWICARE" in a bold, white, sans-serif font, set against a black, rounded rectangular background that has a slight 3D effect with a shadow on the right side.

Dangerous Goods Class:	9
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, liquid N.O.S. – Prallethrin.
Segregation:	Not applicable for class 9

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101334
GHS Classifications:	Aspiration hazard category 1. STOT repeated exposure category 2. Aquatic Acute/Chronic category 1.
HSNO Controls:	Refer to HSR101334
ACVM Approval Code:	Not applicable
Additional Controls:	None

## 16. OTHER INFORMATION

SDS date of preparation: 17 / 10 / 2024

SDS date of revision: 17 / 10 / 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.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein

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does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

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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