

SAFETY DATA SHEET

KIWICARE®

Product Name: *Insect Guard Multi- Insect Control Surface Spray RTU*

Print/View Date: 19/06/2023

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Insect Guard Multi-Insect Control Surface Spray RTU
Recommended uses:	Insecticide
Restrictions on Use/Supply:	Refer Section 8
Molecular Formula:	Ready to use 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:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz

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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
STOT Rep Exp. 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	P319	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 P273	P319	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 10)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Specific Target Organ Toxicity Repeated Exposure Cat. 2

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement:

H373: May cause damage to blood and hematopoietic system through repeated or prolonged exposure.

H400: Very toxic to aquatic life.

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

Hazardous to terrestrial invertebrates.

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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 mist/spray.

P314: Get medical advice/attention if you feel unwell.

P273: Avoid release to the environment.

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: *Low viscosity translucent liquid.*

Ingredients

Ingredients	CAS #	Content %
Permethrin	52645-53-1	0.25-0.35%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

4. FIRST AID MEASURES

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

Ingestion: Drink one or two glasses of milk or water. If you are feeling unwell seek medical advice and have product label at hand.

Eye Contact: Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If eye 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

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water. If skin irritation develops seek medical advice and have the product label at hand.

Inhalation: Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice. If medical advice is needed have product label at hand.

Advice for Medical Doctors: Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM code: Not applicable

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
Permethrin emits toxic fumes of hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent leakage or spillage if safe to do so.

Minor Spills (Up to 20 kg): Low environmental hazard. 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.

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7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist/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:	Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children, and animals. 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 for this product.
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	If there is significant potential for contact, wear safety goggles.
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.
Environmental Exposure Controls:	Minimise release to the environment.

Exposure Standards:

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Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Application method restrictions	77A	This substance must be applied using ground-based methods only. Ground-based methods of applying pesticides include, but are not limited to application by ground broom, airblast or knapsack, and do not include aerial application methods.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Low viscosity translucent liquid.
Odour:	No characteristic odour
Odour Threshold:	No data
pH Value:	5.0-6.3
Melting/freezing point:	No data ; Permethrin - 34°C
Boiling point (range):	No data ; Permethrin - 200°C at 0.1 mmHg
Flash Point:	Not applicable
Flammability:	Not applicable
Explosive limits:	No data
Vapour pressure:	No data; Permethrin – 2.9X 10 ⁻³ mPa at 25°C
Vapour density:	No data
Relative density:	980-1000g/L
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Hazard Class:	STOT RE 2
Acute Toxicity:	No data for the mixture Permethrin Acute oral LD ₅₀ > 430 mg/kg (rat). Acute dermal LD ₅₀ =2000 mg/kg (rabbit)
Aspiration hazard:	Unlikely to cause an aspiration hazard.
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:	No data available
Specific organ toxicity – repeated exposure:	Can affect blood and hematopoietic system through repeated or prolonged consumption.
Narcotic effects:	No data available.

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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. Permethrin Rainbow trout, LC ₅₀ (96 hr) = 0.0125 mg/L Water flea, EC50 (48 hr) = 0.0006 mg/L
Bioaccumulation:	This product is likely to Bioaccumulate
Soil Toxicity:	No data for the mixture

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 NOTR burn.
Methods of disposal to avoid	Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3082
Dangerous Goods Class:	Class 9
Hazchem Code:	Not applicable
Packaging Group:	III

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Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S
(Permethrin)

Segregation: Not applicable

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR101157

GHS Classifications: STOT RE2; Aquatic Acute 1, Aquatic Chronic 1

HSNO Controls: Refer to HSR101157

Additional Controls: Stores containing more than 100L requires signage, secondary containment, and emergency response plans

16. OTHER INFORMATION

SDS date of preparation: 19 / 06 / 2023

SDS date of revision: 19 / 06 / 2028

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, 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 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:

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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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