

SAFETY DATA SHEET

KIWICARE®

Product Name: **NO Spiders Total Protection Spray RTU**

Print/View Date: 27/07/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	NO Spiders Total Protection Spray RTU
Synonym:	Permethrin RTU
Recommended uses:	Insecticide
Restrictions on Use/Supply:	Product must be applied using ground-based methods only.
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:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
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
STOT Rep.Exp.2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 ^b P260	P314	No storage statements	P501
Aquatic Acute 1			Warning	H400	P103 ^b P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 ^b P273	P391	No storage statements	P501

Signal word: **WARNING**Dangerous Goods: **Class 9**Packaging Group: **III**Hazardous Substance (GHS) Codes: **Specific Target Organ Toxicity- Repeated Exposure Cat.2 (Harmful to human target organs)****Hazardous to the Aquatic environment Acute Cat. 1 (Very toxic to aquatic organisms)****Hazardous to the Aquatic environment Chronic Cat.1 (Very toxic to the aquatic organisms with long lasting effect)**

Pictograms:



Hazard Statement:

H373: Causes damage to blood and hematopoietic system through prolonged or repeated exposure.**H400: Very toxic to aquatic life with short term effects.****H410: Toxic to aquatic life with long term effects****Hazardous to terrestrial invertebrates.*****We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.***

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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 fume/gas/spray.

P314: Get medical advice/attention if feeling unwell

P273: Avoid release to the aquatic 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	0.4%
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:

Rinse mouth. Drink 1-2 glasses of milk or water. Seek 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 irritancy. Rinse opened eye for several minutes under running water. If irritation persists, seek medical advice, or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

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Skin Contact:	Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
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:	2X
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Appropriate fire extinguishers are Water. 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 fumes of hydrogen chloride (HCl)

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. Do not allow the product or washings to enter waterways or sewers.
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. Contaminated absorbent and wash water

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should be disposed of according to local and national regulations.

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 fumes/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 or 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

Engineering Controls:	Keep away from food, beverages, and feed. Wash hands after use.
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.

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Respiratory Protection: Use suitable respiratory protection (respirator/disposable masks)

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:

		TWA		STEL	
Substance	Cas #	ppm	mg/m ³	Ppm	mg/m ³
None					

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Low viscosity translucent liquid

Odour: Mild odour

Odour Threshold: No data

pH Value: 5.0 - 6.3 (0.4% solution)

Melting/freezing point: ~0°C

Boiling point (range): ~100°C

Flash Point: 101 °C

Flammability: Not applicable

Explosive limits: No data

Vapour pressure: No data

Vapour density: No data

Relative density: Permethrin: 1.19

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Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
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 avoid:	Avoid strong oxidising agents. Avoid heat, sparks, and open flames.
Corrosive Properties:	Non-corrosive.
Thermal Decomposition:	No data for the mixture; see Section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	STOT Rep.Exp.2
Acute Toxicity:	Permethrin: Acute oral LD ₅₀ = 383 mg/kg (rat). Acute dermal LD ₅₀ = 1750 mg/kg (rat)
Aspiration hazard	May cause irritation on inhalation of mist, gas, or vapour
Skin corrosion/irritation:	Unlikely to cause skin corrosion/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

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Carcinogenicity:	This product is not carcinogenic
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:	Repeated or prolonged exposure can be harmful to blood and hematopoietic 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:	Toxic to aquatic life. Do not contaminate waterways, sewers, or drains when using product or packaging. Permethrin Rainbow trout, LC ₅₀ (96 hr) 0.1-0.5 µg/L Water flea, EC ₅₀ (48 hr) 0.55 µg/L
Bioaccumulation:	Permethrin has the potential to bioaccumulate.
Soil Toxicity:	Hazardous to terrestrial invertebrates. Half-life 20-50 days

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

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14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3082
Dangerous Goods Class:	Class 9
Hazchem Code:	2X
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, liquid N.O.S. – Permethrin
Segregation:	Separate from food/feed.

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101157
GHS Classifications:	STOT Rep.Exp.2; Aquatic Acute 1; Aquatic Chronic 1
HSNO Controls:	Refer to HSR101157
Additional Controls:	<p>Stores containing more than 100L require secondary containment, signage, and an emergency response plan.</p> <p>Contractors that apply product with other than hand-held equipment must be suitably qualified. (For more details refer to Sch.10; Hazardous Substances Hazard Properties Control Notice 2017)</p>

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16. OTHER INFORMATION

SDS date of preparation: 13 / 04 / 2022

SDS date of revision: 13 / 04 / 2027

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:

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

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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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