

Print/View Date: 29/05/2025

Page 1 of 11



1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name: NO Mosquitos Insect Repellent

Recommended uses: Insecticide/insect repellent

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

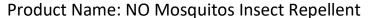
Telephone +64 3 389 0778

Email: info@kiwicare.co.nz

Website: <u>www.kiwicare.co.nz</u>

Emergency Contact Numbers: 0800 764 766 (0800 POISON)

National Poisons Centre: 0800 764 766 (0800 POISON)



Print/View Date: 29/05/2025

Page 2 of 11



2. HAZARDS IDENTIFICATION

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

Signal word: DANGER

Dangerous Goods: Class 9

Packaging Group:

Hazardous Substance (GHS) Codes: Aspiration hazard category 1.

STOT repeated exposure category 2. Aquatic Acute/Chronic category 1.

Pictograms:



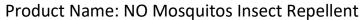


Hazard Statement: H304: May be fatal if swallowed and enters airways.

H373: May cause damage to organs through

prolonged or repeated exposure.

H400: Very toxic to aquatic life.



Print/View Date: 29/05/2025

Page 3 of 11



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

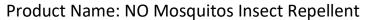
4. FIRST AID MEASURES

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 National Poisons Centre on



Print/View Date: 29/05/2025

Page 4 of 11

0800 764 766 or doctor and have product label at

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hand.

Eye Contact: Unlikely to cause eye irritation. Immediately flush with

plenty of water. If symptoms persist, seek medical

advice.

Skin Contact: Unlikely to cause skin irritation

Inhalation: May cause irritation. If breathing problems develop,

remove to fresh air and keep at rest in a position comfortable for breathing. Call National Poisons Centre on 0800 764 766 or doctor and have product

label at hand.

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 National Poisons Centre on 0800 764 766 for

guidance.

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, CO₂,

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.



Print/View Date: 29/05/2025

Page 5 of 11

Hazardous Products of Combustion: No data for mixture

Prallethrin: May give off toxic fumes (carbon monoxide

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and carbon dioxide) if heated to decomposition.

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): 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.

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

eyes. 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:

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.



Print/View Date: 29/05/2025

Page 6 of 11

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.

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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: No special requirement when used as recommended.

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/m³	ppm	mg/m³
None	-	-	-	-	-



Print/View Date: 29/05/2025

Page 7 of 11

Additional NZ EPA controls:

Auto-ignition temperature:

Viscosity:

Decomposition temperature:

KIWICARE

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.
Active ingredient or component specification	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

Liquid Appearance: Odour: Characteristic odour Odour Threshold: No data pH Value: 6.1 Liquid at room temperature Melting/freezing point: 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

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

Not applicable

Not applicable

No data

Product Name: NO Mosquitos Insect Repellent

Print/View Date: 29/05/2025

Page 8 of 11



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 handed 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 $LD_{50} = 460 \text{ mg/kg}$ (rat).

Acute dermal $LD_{50} = 5000 \text{ mg/kg}$ (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.

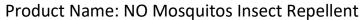
Reproductive toxicity: This product is not expected to cause reproductive or

developmental effects.

Specific organ toxicity - single

exposure:

May be fatal if swallowed and enters airways.



Print/View Date: 29/05/2025

Page 9 of 11

Specific organ toxicity - repeated

exposure:

May cause damage to organs through prolonged or

KIWICARE

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_{50} (96 hr) = 0.012 mg/L

Water flea, EC₅₀ (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



Print/View Date: 29/05/2025

Page 10 of 11

Dangerous Goods Class: 9

Hazchem Code: 3Z

Packaging Group:

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.

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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: 28 / 03 / 2025

SDS date of revision: 28 / 03 / 2030

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



Print/View Date: 29/05/2025

Page 11 of 11



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