



MATERIAL SAFETY DATA SHEET

Kiwicare Corporation Limited

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1. IDENTIFICATION

PRODUCT NAME: NO FLEAS TOTAL READY TO USE TRIGGER SPRAY

2. HAZARDOUS IDENTIFICATION

DANGEROUS GOODS CLASS: non allocated
HSNO HAZARD CLASSIFICATION: 6.5A, 6.5B, 9.1A, 9.4B
HAZCHEM CODE: non allocated

3. COMPOSITION

CHEMICAL DESCRIPTION:	C.A.S. NUMBER:	PROPORTION:
Permethrin	52645-53-1	< 1 %
Pyriproxifen	95737-68-1	< 1 %
Water	7732-18-5	>90 %
Polymeric emulsifiers	-	< 1 %
DMDM Hydantoin	6440-58-0	< 1 %
Sorbitan monooleate	1338-43-8	< 1 %
Naphtha (petroleum) heavy alkylate	64741-65-7	< 1 %
EDTA disodium salt	139-33-3	< 1 %
Citric acid anhydrous	77-92-9	< 1 %

4. FIRST AID MEASURES

INHALATION

Can cause irritation of upper respiratory tract. May cause headaches. Remove patient to fresh air. If ill effects persist call a doctor. Seek immediate medical attention.

INGESTION

If poisoning occurs, **do not** induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in Recovery position. **Obtain medical advice immediately.**



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4. FIRST AID MEASURES - continued

SKIN CONTACT

Can be absorbed through the skin. Can cause irritation. May result in initial stinging, burning tingling or a rash. Wash affected area with soap and water. Remove and wash any contaminated clothing and wash skin. Prolonged or repeated contact may result in degreasing of the skin and dermatitis. May induce an allergic response in susceptible individuals. These skin sensations are reversible and usually subside within 12 hours.

EYE CONTACT

May be severely irritating, characterised by redness, watering and itching. Check for and remove any contact lenses, if easy to do so. Do not use an eye ointment. Flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.

5. FIRE/EXPLOSION MEASURES

Clear fire area of all non-emergency personnel

Extinguishing media Water spray foam, dry chemical or Carbon Dioxide. Fire fighters should wear a full set of protective clothing, including self-contained breathing apparatus.

Toxic fumes may be emitted including hazardous gases may be formed including but not limited to, Chlorine, Hydrogen Chloride, Oxides of Carbon.

6. ACCIDENTAL RELEASE MEASURES

Floor may be slippery if wet. Eliminate all ignition sources and naked lights. Use non sparking equipment. Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Pyrethroids are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.

7. HANDLING AND STORAGE

Store 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. Keep container sealed when not in use. Rinse out empty containers and do not use for any other purpose.

All aspects of storage, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Avoid all personal contact. Extreme over-exposure can result in death. Wear approved mask, overalls, boots, gloves, safety goggles and safety glasses when using. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities. Always use with adequate ventilation.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	straw coloured liquid
Odour	faint characteristic
Flash point	> 93 ^o C
Boiling point	>100 ^o C

10. STABILITY AND REACTIVITY

Stable under normal conditions of use

Incompatibility	avoid mixing with strong acids, alkalis and oxidising agents
Corrosive properties	not corrosive
Thermal decomposition	hazardous gases may be formed including but not limited to, Chlorine, Hydrogen Chloride, Oxides of Carbon., Oxides of Nitrogen and Iodine vapours. Contain runoff.

11. TOXICOLOGICAL INFORMATION

LD50 oral rat	1479-4672 mg/kg	Permethrin
LD50 dermal rat	>2000 mg/kg	Permethrin
LD50 oral rat	>5000 mg/kg	Pyriproxifen
LD50 dermal rat	>2000 mg/kg	Pyriproxifen
Eye Contact	Will irritate the eyes.	
Ingestion	May be harmful if swallowed,	

Moderately toxic through ingestion and can be absorbed through the skin

12. ECOLOGICAL INFORMATION

Acute oral LD50 Mallard duck female	>5,000 mg/kg	Permethrin
LC50 Rainbow trout (96 hours)	0.62 ug/l	Permethrin
Acute oral LD50 Bobwhite quail	<2000 mg/kg	Pyriproxifen
Acute oral LD50 Mallard duck	>2000 mg/kg	Pyriproxifen
LC50 Rainbow trout (96 hours)	.0.325 mg/kg	Pyriproxifen

Contains Pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, national regulations.



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13. DISPOSAL CONSIDERATIONS

Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with Sand, Soil or absorbent granules. 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 incinerated at an authorised installation. Rinse out empty containers prior disposal. Do not re-use empty container for any other purpose

All aspects of disposal, handling, use and record keeping must be in accordance with NZS 8409-2004 "Management of Agrichemicals" and local and regional council

14. TRANSPORT INFORMATION

UN NUMBER: none allocated

15. REGULATORY INFORMATION

HSNO APPROVAL CODE: HSR001786

The regulatory information is not intended to be comprehensive. Other regulations may apply to this product

16. OTHER INFORMATION

Avoid release into the environment. Refer to special instructions on Safety Data Sheet

Emergency Contact

Work Hours

Kiwicare Corporation
225 Maces Road
PO Box 15050
Christchurch

☎ (03) 389 0778

Fax: (03) 389 0669

24 Hours

National Poisons Centre
PO Box 913
Dunedin

☎ **0800 764 766 (POISON)**

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

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier. The information in this document should be made available to all who may handle the product

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