



## MATERIAL SAFETY DATA SHEET

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### Kiwicare Corporation Limited

225 Maces Road  
P.O Box 15050  
Bromley  
Christchurch  
New Zealand  
Phone: +64 3 389 0778  
Fax: +64 3 389 0669  
Email: sales@kiwicare.co.nz  
Web: www.kiwicare.co.nz

### 1. IDENTIFICATION

**PRODUCT NAME:** NO FLEAS TOTAL CONCENTRATE

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### 2. HAZARDOUS IDENTIFICATION

**DANGEROUS GOODS CLASS:** non allocated  
**HSNO HAZARD CLASSIFICATION:** 6.4A, 6.5A, 6.5B, 6.9B, 9.1A, 9.4B  
**HAZCHEM CODE:** 2WE

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### 3. COMPOSITION

<b>CHEMICAL DESCRIPTION:</b>	<b>C.A.S. NUMBER:</b>	<b>PROPORTION:</b>
Permethrin	52645-53-1	<15 %
Octanol	111-87-5	<20 %
Monopropylene Glycol	57-55-6	<80 %
Pyriproxifen	95737-68-1	< 1 %
Wetting agent	9016-45-9	10 %

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### 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.**

#### 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.



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### 4. FIRST AID MEASURES - continued

#### 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.

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### 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.

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### 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.

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### 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

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### 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 <sup>o</sup> C
Boiling point	>150 <sup>o</sup> C
Water Stability	forms an emulsion

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### 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.

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### 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

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### 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

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### 14. TRANSPORT INFORMATION

UN NUMBER: none allocated

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### 15. REGULATORY INFORMATION

HSNO APPROVAL CODE: HSR001786

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

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### 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](http://www.kiwicare.co.nz), or contact the supplier. The information in this document should be made available to all who may handle the product

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.

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