

SAFETY DATA SHEET



Product Name: Organic Insect Control Concentrate

Issue Date: 17/04/2018

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Organic Insect Control with Pyrethrum Concentrate
Molecular Formula:	Ready to dilute insecticide
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)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	Class 9
Packaging Group:	III, signal word = Danger
Hazardous Substance (HSNO) Codes:	6.5A, 6.5B, 6.9B, 9.1A, 9.4A
Hazard Statements:	H334: May cause allergy if inhaled. H317: May cause an allergic skin reaction. H373: May cause damage to organs. H400/410: Very toxic to aquatic life. H441: Very toxic to terrestrial invertebrates.

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2. HAZARDS IDENTIFICATION

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 spray.

P261: Avoid breathing spray.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear full PPEs.

P285: In case of inadequate ventilation wear respiratory protection.

P273: Avoid release to the environment.

P314: Get medical advice if you feel unwell.

P321: Specific treatment: see label.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P332+P313: If skin irritation occurs: Get medical advice/ attention.

P342+311: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable.

P501: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

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HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
6.5A	Not applicable for the UN RTDG Model Regulations		Danger	H334	P103 ^b P261 P285	P304 + P341 P342 + P311	No storage statements	P501
6.5B	Not applicable for the UN RTDG Model Regulations		Warning	H317	P103 ^b P261 P272 P280	P302 + P352 P333 + P313 P321 P363	No storage statements	P501
6.9B (Repeated exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 ^b P260	P314	No storage statements	P501
9.1A			Warning	H400/H410 ^m	P103 ^b P273	P391	No storage statements	P501
9.4A	Not applicable for the UN RTDG Model Regulations		Warning	H441	P103 ^b P273	P391	No storage statements	P501

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Organic insecticide containing pyrethrin

Appearance: Amber / Brown clear liquid

Ingredients

Ingredients	CAS #	Content % w/w or w/v
Pyrethrum	8003-34-7	1.4%
Other ingredients	Mixture	To 100%

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4. FIRST AID MEASURES

General Information:	If poisoning occurs, contact a doctor or Poisons Information Centre (New Zealand 0800 764 766), and follow the advice given. Show this Safety Data Sheet to a doctor.
Ingestion:	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
Eye Contact:	Rinse with water. Get medical attention if any discomfort continues.
Skin Contact:	May cause skin sensitisation or allergic reactions in sensitive individuals. It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
Inhalation:	May cause sensitisation or allergic reactions in sensitive individuals. No specific symptoms known. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Notes to Physician:	Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

5. FIRE FIGHTING MEASURES

Specific Hazards:	Containers can burst violently or explode when heated, due to excessive pressure build-up.
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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Fire Fighting Advice:

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. Use non-spark generating tools and flameproof (intrinsically safe) equipment.

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up

Minor Spills (Up to 10 L):

Eliminate all ignition sources and naked lights. Use non-sparking equipment. Wear protective clothing. Clear area of unprotected personnel. Ventilate area.

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6. ACCIDENTAL RELEASE MEASURES

Major Spills (more than 10 L):

Eliminate all ignition sources and naked lights. Use non-sparking equipment. Wear protective clothing. Clear area of unprotected personnel.

Follow procedures to avoid static discharges. Use only intrinsically safe communication equipment (e.g. do not use mobile phones and pagers).

Use non-spark generating tools and flameproof (intrinsically safe) equipment.

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. Should be disposed of according to local and national regulations.

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

7. HANDLING AND STORAGE

Handling:

Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Storage:

Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	Workplace Exposure Standard: See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th edition)
Engineering Controls:	Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.
Eye / Face protection:	Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.
Body protection:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
General safety and hygiene measures:	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection:	Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Environmental Exposure Controls: Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

P Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Pyrethrum (con)	[8003-34-7]		5		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Sweetish amber / brown clear liquid

Solubility: Partially

PH value: 6.45 in 5% aqueous solution

Flash Point: > 93.3°C TCC (Tag closed cup).

Viscosity: 23.7 CP @ 24°C

Refractive index: 1.4593

Formula: Mixture

Exposure Standards (TLV-TW): See section 8

Engineering Controls: See section 8

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10. STABILITY AND REACTIVITY

Stability and reactivity:	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. There are no known reactivity hazards associated with this product.
Incompatibility:	There are no known conditions that are likely to result in a hazardous situation. No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Corrosive Properties:	Not corrosive
Thermal Decomposition:	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

11. TOXICOLOGICAL INFORMATION

Acute Effects	Rats: Oral LD ₅₀ >2,000 mg/kg. Dermal LD ₅₀ >2,000 mg/kg. LC ₅₀ >2.3 (max. attainable conc.) mg/l (4h)
Ingestion:	It is not likely to be acute toxic.
Eye Contact:	Unlikely to cause irritation.
Skin Contact:	May cause skin sensitisation or allergic reactions in sensitive individuals.
Inhalation:	May cause respiratory sensitisation.
Long Term Effects:	May be harmful to human target organs.
Acute Toxicity:	Rats: Oral LD ₅₀ >2,000 mg/kg. Dermal LD ₅₀ >2,000 mg/kg. LC ₅₀ >2.3 (max. attainable conc.) mg/l (4h)
Chronic Toxicity:	May be harmful to human target organ via repeated exposure.

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12. ECOTOXICITY INFORMATION

Environmental Effects:	9.1A - Very toxic to aquatic life with long lasting effects. 9.4A – Very toxic to terrestrial invertebrates.
Rapid degradation and Bioaccumulative:	No Data.
Soil Toxicity:	No soil toxicity.
Acute toxicity - fish	LC ₅₀ , 96 hour: = 5.2 mg/l, <i>Onchorhynchus mykiss</i> (Rainbow trout)
Acute toxicity - aquatic invertebrates	LC ₅₀ , 48 hour: = 12 µg/L, <i>Daphnia pulex</i>

13. DISPOSAL CONSIDERATIONS

General:	The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Product & Container Disposal:	Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. Comply with the Hazardous substances (Disposal) Regulations 2001.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air

UN Number: UN3082

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14. TRANSPORT INFORMATION

Dangerous Goods Class:	9
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S. (pyrethrin)
Segregation:	NA

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000051
HSNO Classifications:	6.5A (respiratory sensitizer), 6.5B (dermal sensitizer), 6.9B (harmful to human target organs or systems), 9.1A (very toxic to aquatic life), 9.4A (very toxic to terrestrial invertebrates).
HSNO Controls:	See HSR000051 controls
HSNO Approved codes of Practice:	See HSR000051 controls
ACVM registration number:	P008185
BioGro registration number:	4850

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

16. OTHER INFORMATION

SDS date of preparation:	10 / 07 / 2017
SDS date of revision:	10 / 07 / 2022

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16. OTHER INFORMATION

Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

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16. OTHER INFORMATION

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 Sumitomo at Reception@sumitomo-chem.com.au.

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

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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