

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 1 of 9

1. PRODUCT AND COMPANY INFORMATION

Product Name:	Organic Insect Control Pyrethrum Concentrate
Synonyms:	Organic NO Insects
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:	
National Poisons Centre:	0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	None allocated
Packaging Group:	None allocated
Hazardous Substance (HSNO) Codes:	6.5A (Respiratory sensitizer) 6.5B (Dermal sensitiser) 6.9B (Harmful to human target organs or systems) 9.1A (Very toxic to aquatic life) 9.4A (Very toxic to terrestrial invertebrates)

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 2 of 9

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Insecticide

Appearance:

Ingredients

Ingredients	CAS #	Content % w/w or w/v
Pyrethrum	8003-34-7	< 2% w/v

4. FIRST AID MEASURES

Ingestion:	If ingestion 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.
Eye Contact:	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
Skin Contact:	Dermal sensitizer. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice.
Inhalation:	Can cause irritation of upper respiratory tract. If ill effects persist call a doctor. Seek immediate medical attention.
Notes to Physician:	A highly effective therapeutic agent for skin exposure to pyrethrins is topical application of vitamin E (tocopherol acetate).

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 3 of 9

5. FIRE FIGHTING MEASURES

Specific Hazards:	Toxic fumes may be emitted including, oxides of carbon, sulphur and nitrogen and carbon disulphide as well as hydrocarbons.
Suitable Extinguishing Media:	Foam, carbon dioxide, or dry chemical.
Fire Fighting Advice:	Fire fighters should wear a full set of protective clothing, including self-contained breathing apparatus. Keep containers cool by spraying with water to prevent pressure build up if containers exposed directly to fire. Contain runoff.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up:	
Minor Spills (Up to 20 L):	Floor may be slippery if wet. 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.
Major Spills (more than 20 L):	<p>Floor may be slippery if wet. Eliminate all ignition sources and naked lights. 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. Contaminated absorbent and wash water should be disposed of according to local and national regulations.</p> <p>Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.</p>

7. HANDLING AND STORAGE

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

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 4 of 9

7. HANDLING AND STORAGE

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.

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 CONTROLS/PERSONAL PROTECTION

Exposure Standards: None allocated

Engineering Controls: Always use with adequate ventilation.

Personal Protection: Avoid all personal contact. Wear suitable protective clothing. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Pale yellow liquid, slightly sulphurous odour.

Solubility: Emulsifiable

Specific Gravity: 0.92 @20°C

Boiling Point: >100°C

Freezing Point: None allocated

Melting Point: None allocated

Vapour Pressure: None allocated

Coefficient of Cubic Expansion: None allocated

Relative Vapour Density: None allocated

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 5 of 9

9. PHYSICAL AND CHEMICAL PROPERTIES

Decomposition Point:	None allocated
Viscosity:	None allocated
Flash Point:	None allocated
Electrostatic Generation:	None allocated
Auto-ignition Temperature:	None allocated
% Volatile by Volume:	None allocated
Flammable Limits:	None allocated
pH Value:	None allocated
Evaporation Rate:	None allocated
Explosion Hazard:	None allocated
Formula:	Mixture
Molecular Weight:	Mixture
Chemical Family:	Not applicable
Other:	None allocated
Oxidising Agents:	None allocated
Acids:	None allocated
Alkalis:	None allocate
Salt or Freshwater:	None allocated
Exposure Standards (TLV-TW):	None allocated
Engineering Controls:	None allocated

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 6 of 9

10. STABILITY AND REACTIVITY

Incompatibility:	None allocated
Corrosive Properties:	None allocated
Thermal Decomposition:	None allocated

11. TOXICOLOGICAL INFORMATION

General:	6.5A (Respiratory sensitizer) 6.5B (Dermal sensitiser) 6.9B (Harmful to human target organs or systems) 9.1A (Very toxic to aquatic life) 9.4A (Very toxic to terrestrial invertebrates)
----------	--

Acute Effects

Ingestion:	LD50 oral rat >2000 mg/kg
Eye Contact:	Will irritate eyes.
Skin Contact:	LD50 dermal rabbit >2000 mg/kg
Inhalation:	LD50 rats >5 mg/L
Long Term Effects:	
Acute Toxicity:	
Chronic Toxicity:	In a recent study, marginally higher incidences of benign thyroid, parathyroid, ovary, and liver tumors were observed in rats and in lungs of mice following lifetime high dose exposure to pyrethrum.

12. ECOTOXICITY INFORMATION

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 7 of 9

12. ECOTOXICITY INFORMATION

Environmental Effects: Extremely toxic to fish and other aquatic organisms. Do not apply directly onto water. Do not contaminate water when rinsing or disposing of packaging.

Fish LC50 rainbow trout 5.1 ppb

Bird acute oral LD50 >2000 mg/kg

13. DISPOSAL CONSIDERATIONS

Product Disposal: 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.

Container Disposal: 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

Road and Rail

UN Number: None allocated

Dangerous Goods Class: No

Hazchem Code: 3Z

Packaging Group: None allocated

Proper Shipping Name: Insecticide

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 8 of 9

14. TRANSPORT INFORMATION

Segregation: None allocated

Marine

UN Number: None allocated

Class: None allocated

Packaging Group: None allocated

Proper Shipping Name: Insecticide

Air Transport

UN Number: None allocated

Class: None allocated

Packaging Group: None allocated

Proper Shipping Name: Insecticide

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR000051

HSNO Classifications: 6.5A (Respiratory sensitizer)
6.5B (Dermal sensitiser)
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 EPA website

HSNO Approved codes of Practice: See EPA website

16. OTHER INFORMATION

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

SAFETY DATA SHEET

Product Name: Organic Insect Control Pyrethrum Concentrate

Issue Date: 20/06/2018

Page 9 of 9

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	

All 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

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.

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