

SAFETY DATA SHEET

KIWICARE®

Product Name: *Plant Health Spectrum Concentrate*

Print/View Date: 10/10/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Plant Health Spectrum Concentrate
Recommended uses:	A combination of Insecticide and Fungicide
Restrictions on Use/Supply:	None
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

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2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Repr. 2	Not applicable for the UN RTDG Model Regulations		Warning	H361	P103 P201 P202 P281	P308+P313	P405	P501
Aquatic Acute 1			Warning	H411	P103 P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 P273	P391	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Reproductive Toxicity Cat. 2

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement:

H361: Suspected of damaging fertility or the unborn child.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

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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.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

P391: Collect spillage.

P308+P313: IF exposed or concerned: Get medical advice/attention.

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: Low viscosity white liquid.

Ingredients

Ingredients	CAS #	Content %
Myclobutanil	8867-89-0	4-5%
Tau-fluvalinate	102851-06-9	0.9-1.0%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

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Ingestion:	Drink one or two glasses of milk or water. If you are feeling unwell seek medical advice and have product label at hand.
Eye Contact:	Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation develops, seek medical advice, and have product label at hand.
Skin Contact:	Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If skin irritation develops, seek medical advice.
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, seek medical advice, and have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the surrounding conditions.
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.
Hazardous Products of Combustion:	No data for the mixture

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
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Minor Spills (Up to 20 kg):	Environmentally hazardous substance. Contain spill and collect using suitable absorbent material.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. 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.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist or 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 in original container in a cool, dry, ventilated place, locked up, away from direct heat of sunlight. Store away from foodstuffs, children, and animals. 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. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	No exposure standards apply for this product.
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	If there is significant potential for contact, wear safety goggles.

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Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	Wear a respirator or disposable masks to avoid irritation from mist or spray.
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.
Environmental Exposure Controls:	Minimise release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Low viscosity white liquid
Odour:	Mild Odour
Odour Threshold:	No data
pH Value:	5 - 6
Melting/freezing point:	No data (Myclobutanil: 63 - 68°C)
Boiling point (range):	No data (Myclobutanil: 202 - 208°C)
Flash Point:	>93°C
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data (Myclobutanil: 1.6X 10 ⁻⁶ mm Hg at 25°C)
Vapour density:	No data
Relative density:	0.98-1.01 Kg/L
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable

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Decomposition temperature: No data

Viscosity: 350-600 CPS #2 spindle

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity: Stable under normal conditions of use. Not explosive or oxidising.

Incompatibility or conditions to be avoided: Avoid strong oxidising agents. Avoid heat sparks and open flames.

Corrosive Properties: Not corrosive to metals.

Thermal Decomposition: Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class: Repr. 2

Acute Toxicity: Myclobutanil
Acute oral LD₅₀ = 1600 mg/kg (rat)
Acute dermal LD₅₀ >2000 mg/kg (rat)
Tau-fluvalinate
Acute oral LD₅₀ = 546 mg/kg (rat)
Acute dermal LD₅₀ = 2000 mg/kg (rat)

Aspiration hazard: Unlikely to cause an aspiration hazard.

Skin corrosion/irritation: Unlikely to cause skin corrosion/irritation.

Serious eye damage/irritation: Unlikely to cause eye corrosion/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.

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Reproductive toxicity:	Suspected of damaging fertility or the unborn child through oral exposure
Specific organ toxicity – single exposure:	Not applicable
Specific organ toxicity – repeated exposure:	Not applicable
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:	Very toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Myclobutanil Rainbow trout, LC ₅₀ (96 hr) 2.0 mg/L Water flea, EC50 (48 hr) 17 mg/L Tau-fluvalinate Rainbow trout, LC ₅₀ (96 hr) 0.000794 mg/L Water flea, EC50 (48 hr) 0.0089 mg/L
Bioaccumulation:	This product is not likely to Bioaccumulate
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.

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Methods of disposal to avoid

Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3082
Dangerous Goods Class:	Class 9
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S
Segregation:	Food and Feed

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000731
GHS Classifications:	Repr. 2; Aquatic Acute 1; Aquatic Chronic 1
HSNO Controls:	Refer to HSR000731
Additional Controls:	Stores containing more than 100litres should have signage, secondary containment, and emergency response plans.

16. OTHER INFORMATION

SDS date of preparation: 05 / 10 / 2022

SDS date of revision: 05 / 10 / 2027

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.

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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
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

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