

SAFETY DATA SHEET

Product Name: Plant Health Spectrum Plus RTU

Print/View Date: 29/05/2025

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Plant Health Spectrum Plus RTU
Recommended uses:	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
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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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
Aquatic Acute/ Chronic 1.			Warning	H400	P103 P273	P391	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Aquatic Acute/ Chronic Cat 1.

Pictograms:



Hazard Statement:

H400: Very toxic to aquatic life

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.

P273: Avoid release to the environment.

P391: Collect spillage.

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.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Translucent white low viscosity liquid.

Ingredients

Ingredients	CAS #	Content %
Myclobutanil	88671-89-0	0.0126
Tau-fluvalinate	102851-06-9	0.024
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 and have product label at hand.

Ingestion: Rinse mouth and drink one or two glasses of milk or water. Do NOT induce vomiting. If feeling unwell, get medical advice or call NZ Poisons Centre on 0800 764 766 and have product label at hand.

Eye Contact: Unlikely to cause eye irritation. If in eyes, rinse continuously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If irritation develops, get medical advice and have product label at hand.

Skin Contact: Unlikely to cause an allergic skin reaction. If on skin, wash with plenty of soap and water. If skin irritation or rash develops, get medical advice and have product label at hand.

Inhalation: Unlikely to cause an inhalation hazard. If breathing problems develop, remove to fresh air and keep at rest in a position comfortable for breathing.

Advice for Medical Doctors: Treat symptomatically

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5. FIRE FIGHTING MEASURES

HAZCHEM code:	3Z
Specific Hazards:	Formation of toxic gases (carbon monoxide, carbon dioxide) may occur if heated to decomposition. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Appropriate fire extinguishers are water, CO ₂ powder or alcohol resistant foam. 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. Safely dispose of fire-control, water or other extinguishing agent used and any spillage.
Hazardous Products of Combustion:	Not data for mixture Myclobutanil: May give off toxic fumes (carbon monoxide, carbon dioxide, and other organic and inorganic compounds) if heated to decomposition.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 L):	Wear protective gloves. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer
Major Spills (more than 20 L):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter waterways or sewer. If spill does enter waterway contact local authority. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

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7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged or repeated contact with skin and eye. Avoid inhaling 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. Wash contaminated clothing before reuse. Contaminated clothing should not be allowed out of the workplace. 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, away from direct heat of sunlight. Store away from strong oxidants, foodstuffs, children, and animals. Do not allow product to get wet in storage.

Minimum shelf life: 2 years

Protection against fire and explosion:

Although product is non-flammable, keep away from heat sources. The product is not explosive. Keep away from oxidising agents and strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure April 2022, Edition 13)

Engineering Controls:

No special requirements when used as recommended.

Hand protection:

If repeated or prolonged contact, wear chemical resistant gloves

Eye protection:

No special requirements when used as recommended.

Body protection:

Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection:

No special requirements when used as recommended.

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. Store work clothing separately.

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Environmental Exposure Controls: Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation

Exposure Standards:

		TWA		STEL	
Substance	Cas #	ppm	mg/m ³	ppm	mg/m ³
None allocated	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White opaque liquid
Odour:	No data
Odour Threshold:	No data
pH Value:	5 – 6.5
Melting/freezing point:	0°C
Boiling point (range):	100°C
Flash Point:	No data
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	~ 1.000
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	No data

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10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	None. Avoid excessive heating.
Corrosive Properties:	Not corrosive.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Aquatic Acute/Chronic Cat.1
Acute Toxicity:	No data for the mixture Myclobutanil: Acute oral LD ₅₀ = 1750 mg/kg (rat) Acute dermal LD ₅₀ >5000 mg/kg (rat) Tau-Fluvalinate: Acute oral LD ₅₀ = 282 mg/kg (rat) Acute dermal LD ₅₀ >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:	May cause an allergic skin reaction.
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.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not applicable

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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. Do not contaminate waterways, sewers, or drains when using product or packaging.

Bioaccumulation:

Myclobutanil:

Rainbow trout, LC_{50} (96 hr) = 4.20 mg/L

Water flea, EC_{50} (48 hr) = 11 mg/L

Tau-Fluvalinate:

Rainbow trout, LC_{50} (96 hr) = 0.00091 mg/L

Water flea, EC_{50} (48 hr) = 0.00094 mg/L

Bioaccumulation:

Not likely to be Bioaccumulative

Soil Toxicity:

No data

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.

Methods of disposal to avoid

Do not empty down stormwater system or into waterway.

14. TRANSPORT INFORMATION

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Road, Rail; Marine and Air:

UN Number:	UN3082
Dangerous Goods Class:	Class 9
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Segregation:	Not applicable

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101294
GHS Classifications:	Aquatic Acute/Chronic Cat. 1
HSNO Controls:	Refer to HSR101294
ACVM Registration	Registered pursuant to the ACVM act 1997, P009562. See www.foodsafety.govt.nz for registration conditions.
Additional Controls:	Not applicable

16. OTHER INFORMATION

SDS date of preparation:	23 / 07 / 2025
SDS date of revision:	23 / 07 / 2030

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.

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.

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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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