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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

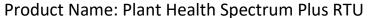
Telephone +64 3 389 0778

Email: <u>info@kiwicare.co.nz</u>

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	Transport	GHS	Signal	Hazard	Precautionary statement codes			
Classification	of Dangerous Goods Pictogram	Pictogram	word	statement code	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:

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

(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<sub>2</sub> 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

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### **Exposure Standards:**

		TWA		STEL	
Substance	Cas #	ppm	mg/m³	ppm	mg/m³
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 datat

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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<sub>50</sub> = 1750 mg/kg (rat)

Acute dermal LD<sub>50</sub> >5000 mg/kg (rat)

Tau-Fluvalinate: Acute oral  $LD_{50} = 282 \text{ mg/kg}$  (rat)

Acute dermal LD<sub>50</sub> > 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.

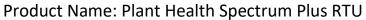
Reproductive toxicity: This product is not expected to cause reproductive or

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

Bioaccumulation: waterways, sewers, or drains when using product or

packaging.

Myclobutanil:

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

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Water flea, EC<sub>50</sub> (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:

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, LIQUID, N.O.S.

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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