

# SAFETY DATA SHEET

Product Name: PLANThealth Fungus Control RTU

Issue Date: 13/03/2020

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>PLANThealth Fungus Control RTU</b>
Relevant identified uses:	A combination of fungicides containing: Boscalid $\leq$ 0.03%, Pyraclostrobin $\leq$ 0.02% and Tebuconazole $\leq$ 0.05%.
Molecular Formula:	Liquid 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:	<a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>
Website:	<a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

## 2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
9.1C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H412	P103 <sup>b</sup> P273	No response statements	No storage statements	P501

Dangerous Goods (DG): Not a DG

Signal word: None

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UN number & UN Packaging Group: Not applicable

Hazardous Substance (HSNO) Codes: 9.1C (Harmful to the aquatic environment)

Hazard Statements: H412: Harmful to aquatic life with long lasting effects.

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.  
P501: Achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Ready to use fungicide

Appearance: Translucent white liquid

#### Ingredients

Ingredients	CAS #	Content %
Boscalid	188425-85-6	0.0252 %
Pyraclostrobin	175013-18-0	0.0128 %
Tebuconazole	107534-96-3	0.043 %
Other non-active 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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## 4. FIRST AID MEASURES

Ingestion:	Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Eye Contact:	Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation persists seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Skin Contact:	Not a skin sensitizer, unlikely to cause skin irritation. If in contact with skin, rinse skin with reasonable amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard as the product is a stable liquid. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

## 5. FIRE FIGHTING MEASURES

Specific Hazards:	No Fire hazard.
Suitable Extinguishing Media:	Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO <sub>2</sub> , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions.

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## 5. FIRE FIGHTING MEASURES

Fire Fighting Advice:

Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. 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.

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:

Prevent leakage or spillage if safe to do so.

Minor Spills (Up to 20 kg):

Wear protective clothing. 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 kg):

Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. 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.

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

## 7. HANDLING AND STORAGE

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## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or spray. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.
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 foodstuffs, children and animals. Do not allow product to get wet in storage.
Protection against fire and explosion:	Keep away from heat sources even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 10 <sup>th</sup> edition)
Engineering Controls:	General ventilation. 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 protection:	Wear safety glasses or full face shield if splashes are likely to occur.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Body protection:** Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.

**General safety and hygiene measures:** Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

**Environmental Exposure Controls:** Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

T Substance	CAS #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Triethanolamine	[102-71-6]		5		

## HSNO Additional Controls and Modifications to Controls

Control Code	HSNO Act	Control
Application rate	Section 77 variation to HPC Notice clause 50	This substance must not be applied to the same area more than twice per year, with a minimum interval between applications of 30 days.
Label	Section 77 variation to Labelling Notice	The substance label must include the following statement, or words to the same effect: This substance is restricted to spot treatment only.
Application method	Section 77A	This substance is restricted to spot treatment only.
Packaging Size	Section 77A	The packaging of this substance is restricted to a packing size of 5 L or less.
Re-entry	Section 77A	No person may enter the application area for 24 hours after application.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Translucent white liquid
Solubility:	Soluble
Specific Gravity:	~1.00
Melting Point:	>100 °C
Viscosity:	400-800 cps
Flash Point:	> 93 °C
pH Value:	5.5 – 6.0
Formula:	Liquid fungicide mixture
Chemical Family:	Mixture of fungicides
Exposure Standards (TLV-TW):	Refer to section 8
Engineering Controls:	Refer to section 8

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	Avoid strong oxidising agents. Avoid heat, sparks and open flame.
Corrosive Properties:	None corrosive.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if overheated.

## 11. TOXICOLOGICAL INFORMATION

<u>For the substance (final product):</u>	(Based on Mixture rule calculation)
Acute Toxicity:	Acute oral LD <sub>50</sub> > 5000 mg/kg
Skin corrosion/irritation:	Not a skin irritant

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## 11. TOXICOLOGICAL INFORMATION

Serious eye damage/eye irritation:	Unlikely to cause eye irritation
Respiratory or skin sensitization:	Not a respiratory or a skin sensitizer
Germ cell mutagenicity:	Not mutagenic
Carcinogenicity:	Not carcinogenic
Reproductive Toxicity:	Not reproductive
Specific target organ toxicity – single exposure & Repeated exposure:	Unlikely to cause any chronic toxicity
Aspiration hazard:	No aspiration hazard
Potential health effects –	
Inhalation:	Unlikely to be harmful if inhaled
Ingestion:	No oral toxicity
Skin:	No dermal toxicity

## 12. ECOTOXICITY INFORMATION

Aquatic toxicity:	9.1C Harmful to the aquatic environment GHS = H412: $10 < LC_{50} \leq 100\text{mg/l}$ Exposure to the water environment should be prevented.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Soil toxicity:	No ecotoxicity in the soil environment $EC_{50} > 100 \text{ mg/kg}$
Other adverse effects:	None

This product, or washings of this product, are not allowed to enter waterways or sewer.

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## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	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) Notice 2017.
Product:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licenced professional waste disposal service to dispose of this material.
Contaminated packaging:	Dispose of as unused product.
Container Disposal:	Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

### UN number

ADR/RID; IMDG; IATA-DGR:	Not applicable
<b>UN Proper Shipping Name:</b>	Not applicable
UN Dangerous Goods Class:	Not a DG
UN Packaging Group:	Not a DG
Marine pollutant:	Not a marine pollutant

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## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101395
HSNO Classifications:	9.1C (Harmful to the aquatic environment)
HSNO Controls:	Refer to HSR101395
HSNO Approved codes of Practice:	Refer to HSR101395

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:	09 / 12 / 2019
SDS date of revision:	09 / 12 / 2024
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](http://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.

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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