

SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 1 of 11

1. PRODUCT AND COMPANY INFORMATION

| | |
|-------------------------------|--|
| Chemical/Product Name: | Ripcord Plus Concentrate |
| Recommended uses: | 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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SAFETY DATA SHEET



Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 2 of 11

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 |
| Skin Sens. 1 | Not applicable for the UN RTDG Model Regulations | | Warning | H317 | P103 P261 P272 P280 | P302+P352 P333+P313 P321 P363 | No storage statements | P501 |
| STOT Rep. Exp. 2 | Not applicable for the UN RTDG Model Regulations | | Warning | H373 | P103 P260 | P314 | No storage statements | P501 |
| Aquatic Acute 1 | | | Warning | H400 | 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:

Skin Sensitisation Cat. 1

Specific Target Organ Toxicity – Repeated Exposure Cat. 2

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement:

H317: May cause an allergic skin reaction.

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 3 of 11

H373: May cause damage to organs through prolonged and repeated exposure.

H400: Very toxic to aquatic life.

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

Hazardous to terrestrial vertebrates.

Hazardous to terrestrial invertebrates.

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.

P260: Do not breathe mist/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P314: Get medical advice/attention if you feel unwell.

P321: For specific treatment refer to the first aid section.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

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:

White viscous liquid

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 4 of 11

Ingredients

| Ingredients | CAS # | Content % |
|---|--------------|-----------|
| Alpha-cypermethrin | 67375-30-8 | 1.3-1.5% |
| Propane-1,2-diol | 57-55-6 | <15% |
| 1,2-benzisothiazolin-3(2H)-one | 2634-33-5 | <0.05% |
| 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). |
| Ingestion: | Drink one or two glasses of milk or water. Seek medical advice if you are feeling unwell. 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 develops, seek medical advice. If medical advice is needed have product label at hand. |
| Skin Contact: | May cause allergic skin reaction. Wash exposed skin with plenty of soap and water. If skin irritation or rash occurs 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. |

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 5 of 11

| | |
|-----------------------------------|--|
| 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: | Alpha-cypermethrin emits toxic fumes of cyanide, nitrogen oxides, chloride. 1,2-benzisothiazolin-3(2H)-one emits toxic vapours of nitrogen oxides and sulphur oxides. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------|---|
| Environmental precautions: | Prevent leakage or spillage if safe to do so. |
| Minor Spills (Up to 20 kg): | Environmentally hazardous substance. Contain spill and collect using suitable absorbent. |
| 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 or incinerate at an authorised installation. |

7. HANDLING AND STORAGE

| | |
|--|---|
| Precautions for safe handling: | Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist/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, away from direct heat of sunlight. Store away from foodstuffs, children, and animals. |

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 6 of 11

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: 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: Wear chemical resistant gloves while mixing or spraying.

Eye protection: If there is significant potential for contact, wear safety goggles.

Body protection: Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection: Wear a respirator or disposable masks.

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.

Exposure Standards:

| Substance | Cas # | TWA | | STEL | |
|------------------|---------|-----|-------------------|------|-------------------|
| | | ppm | mg/m ³ | ppm | mg/m ³ |
| Propane-1,2-diol | 57-55-6 | | 10 | | |

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 7 of 11

| | |
|----------------------------|-----------------------|
| Odour: | Mild Odour |
| Odour Threshold: | No data |
| pH Value: | 6 - 8 |
| Melting/freezing point: | -5.9°C |
| Boiling point (range): | ~100°C |
| Flash Point: | No data |
| Flammability: | Not applicable |
| Explosive limits: | Not applicable |
| Vapour pressure: | ~23.4 hPa (20°C) |
| Vapour density: | No data |
| Relative density: | 1.00-1.05 Kg/L (20°C) |
| Solubility: | Soluble in water |
| Partition coefficient: | No data |
| Auto-ignition temperature: | Not applicable |
| Decomposition temperature: | No data |
| Viscosity: | No data |

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, open sparks, and flames. |
| Corrosive Properties: | Not corrosive to metals. |

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 8 of 11

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

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Hazard Class: | Skin Sens.1; STOT Rep. Exp. 2 |
| Acute Toxicity: | Alpha-cypermethrin Acute oral LD ₅₀ = 40 mg/kg (rat). cute dermal LD ₅₀ = 2000 mg/kg (rat) 1,2-benzisothiazolin-3(2H)-one Acute oral LD ₅₀ = 1020 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: | Check CCID or other data to see if specific organ / system is identified |
| Specific organ toxicity – repeated exposure: | Blood and hematopoietic systema and kidney. |
| Narcotic effects: | No data available. |

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 9 of 11

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. Alpha-cypermethrin Rainbow trout, LC ₅₀ (96 hr) 0.0018 mg/L Water flea, EC ₅₀ (48 hr) 0.00022 mg/L 1,2-benzisothiazolin-3(2H)-one Rainbow trout, LC ₅₀ (96 hr) 1.6 mg/L Water flea, EC ₅₀ (48 hr) 4.4 mg/L |
| Bioaccumulation: | This product is unlikely 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. |
| 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 |

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 10 of 11

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: HSR000286

GHS Classifications: Skin Sens. 1; STOT Rep. Exp. 2; Aquatic Acute 1; Aquatic Chronic 1

HSNO Controls: Refer to HSR000286

Additional Controls: Store containing more than 100litres should have signage, secondary containment, and emergency response plans.

16. OTHER INFORMATION

SDS date of preparation: 06 / 10 / 2022

SDS date of revision: 06 / 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.

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

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SAFETY DATA SHEET

KIWICARE®

Product Name: *Ripcord Plus Concentrate*

Print/View Date: 6/10/2022

Page 11 of 11

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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