

Safety data sheet

BASF Safety data sheet
Date / Revised: 21.01.2021
Product: **RIPCORD® PLUS**

(Ref: ID no. 30131421/SDS_GEN_NZ/EN; Version 4.0)

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

RIPCORD® PLUS

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: crop protection product, fungicide

Details of the supplier of the safety data sheet

Company:

BASF New Zealand Limited
Level 1, Quad 7, 6 Leonard Isitt Drive, Auckland Airport, Auckland 2022
P.O. Box 407, Auckland 1140
Phone: + 64 9 255 4300
0800 932 273

Emergency telephone number

National Poisons Centre: 0800764 766

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazards Identification

Hazard Classification:

6.1E, 6.5B, 6.9B, 9.1A, 9.3C, 9.4B



Signal word: WARNING

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Hazard statements:

May be harmful if swallowed, inhaled or absorbed through the skin. May cause an allergic skin reaction. Skin contact may cause temporary skin numbness (paraesthesia). May cause organ damage from repeated oral exposure at high doses. Very toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates. Toxic to terrestrial invertebrates.

May cause paraesthesia. Contains: ALPHA-CYPERMETHRIN
May produce an allergic reaction. Contains: 1,2-BENZISOTHIAZOL-3(2H)-ONE

Precautionary statements (Prevention):

Keep out of reach of children. Read label before use. Avoid breathing mist/spray. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace.

Precautionary statements (Response):

If medical advice is needed, have product container or label at hand. Call a POISON CENTRE or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. DO NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.

To avoid risks to human health and the environment, comply with the instructions for use.

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Mixtures

Chemical nature

Biocide, insecticide, suspension concentrate (SC)

A Residual Insecticide for Control of Ants, Carpet Beetles, Common House Borer, Cockroaches, Fleas, Flies, Mosquitoes, Silverfish, Slaters, Spiders in Domestic, Industrial and Public Health Situations.

Hazardous ingredients

Alpha-cypermethrin
Content (W/W): 1.5 %
CAS Number: 67375-30-8

Acute Tox.: Cat. 4 (Inhalation - dust)
Acute Tox.: Cat. 3 (oral)
Skin Corr./Irrit.: Cat. 3
STOT SE: Cat. 3 (irr. to respiratory syst.)
STOT RE (Nervous system): Cat. 2
Aquatic Acute: Cat. 1
Aquatic Chronic: Cat. 1
M-factor acute: 10000
M-factor chronic: 1000

1,2-benzisothiazolin-3(2H)-one.
Content (W/W): <0.05%
CAS Number: 2634-33-5

Acute Tox.: Cat. 4 (oral)
Skin Corr./Irrit.: Cat. 2
Eye Dam./Irrit.: Cat. 1
Skin Sens.: Cat. 1
Aquatic Acute: Cat. 1
M-factor acute: 1
M-factor chronic: 1

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Propane-1,2-diol
Content (W/W): <15 %
CAS Number: 57-55-6

4. First-Aid Measures

4.1 Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air.

On skin contact:
Wash thoroughly with soap and water

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth and then drink 200-300 ml of water.

Additional advice: Do NOT induce vomiting unless told to by a poison control centre or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: numbness and tingling of hands and feet, convulsions.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions).

5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:
Water spray, foam, dry powder, carbon dioxide

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, hydrogen chloride, hydrogen cyanide, carbon dioxide, hydrogen bromide, nitrogen oxides, organochloric compounds, Phosphorus compounds, sulfur oxides, cyanides
The substances/groups of substances mentioned can be released in case of fire.

5.3. Advice for fire-fighters

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

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Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray. Use personal protective clothing.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

7.1 Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

RECORD KEEPING

Records of use must be kept if using more than 3L within a 24 hour period.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

7.2 Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

AGGREGATE STORAGE VOLUME THRESHOLDS: When stored with substances of the same hazard the aggregate quantity must be considered. For full details refer to the current standard NZS8409 Management of Agrichemicals or the HSNO Regulations.

Location Certificate*:	Hazardous Atmosphere Zone*:	Fire Extinguishers:	Signage [Hazard Class & Emergency Action]:	Emergency Information:	Emergency Response Plan:	Secondary Containment:
NA	NA	NA	100 litres	1 litre	100 litres	100 litres

* Note: Farms \geq 4 ha are exempt but with controls

DO NOT STORE OR LOAD WITH:

NA

SEGREGATE FROM:

Foodstuffs and Food Containers

Segregation: In store separate by at least 5 metres, on transport separate by at least 3 metres, in both cases horizontally. On vehicles a segregation device may be used: Check the Land Transport Rule Dangerous Goods, Rule 45001 for additional information. Sea transport may require additional segregation. Refer to NZS5433 Sea Segregation for details.

Storage stability:

Storage duration: 36 Months

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Protect from temperatures below: 0 °C

The product can crystallize below the limit temperature.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Note: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409

7.3 Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters (NZ)

propane-1,2-diol, 57-55-6;

TWA value 10 mg/m³ (OEL (NZ)), Particulate

TWA value 474 mg/m³ ; 150 ppm (OEL (NZ)), Vapor and particulates

8.2 Exposure controls

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166).

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid
Colour:	white
Odour:	odourless
Odour threshold:	not determined
pH value:	approx. 6 – 8 (10 g/l, 20 °C)
Freezing point:	-5.9 °C

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Onset of boiling:	approx. 100 °C (1,013 hPa)
Flash point:	No flash point - Measurement made up to the boiling point. (DIN EN 22719; ISO 2719)
Evaporation rate:	not applicable
Flammability:	not flammable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Ignition temperature:	425 °C The product has not been tested. The statement has been derived from products of a similar structure or composition.
Vapour pressure:	approx. 23.4 hPa (20 °C) Information applies to the solvent.
Density:	approx. 1.00 - 1.05 g/cm ³ (20 °C) (OECD Guideline 109)
Relative vapour density (air):	not determined
Solubility in water:	dispersible
Partitioning coefficient n-octanol/water (log Kow):	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	21 mPa.s (40 °C, 100 1/s) (OECD 114)
Viscosity, kinematic:	20.6 mm ² /s (40 °C)
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

9.2 Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: mild steel tin

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4 Conditions to avoid

See SDS section 7 - Handling and storage.

10.5 Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

The product has not been tested. The statement has been derived from products of a similar structure or composition. Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): > 2,000 mg/kg

No mortality was observed.

LC50 rat (by inhalation): > 2.06 mg/l 4 h

No mortality was observed.

LD50 rat (dermal): > 2,000 mg/kg

No mortality was observed.

Irritation

Assessment of irritating effects:

The product has not been tested. The statement has been derived from products of a similar structure or composition. Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit:

Serious eye damage/irritation rabbit:

Respiratory/Skin sensitization

Assessment of sensitization:

The product has not been tested. The statement has been derived from products of a similar structure or composition. There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

Modified Buehler test guinea pig: Skin sensitizing effects were not observed in animal studies.

Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

Causes temporary irritation of the respiratory tract. Based on available Data, the classification criteria are not met.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Alpha-Cypermethrin**Assessment of repeated dose toxicity:*

Repeated oral exposure may affect certain organs. Damages the peripheral nerve system.

Aspiration hazard

No aspiration hazard expected.

The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information

Misuse can be harmful to health. May cause paraesthesia.

12. Ecological Information**12.1 Toxicity**

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: alpha-cypermethrin**Toxicity to fish:*

LC50 (96 h) 0.00093 mg/l, Pimephales promelas (OPP 72-1 (EPA-Guideline), Flow through.)

*Information on: alpha-cypermethrin**Aquatic invertebrates:*

EC50 (48 h) 12,6 ng/l, Chironomus riparius

*Information on: alpha-cypermethrin**Aquatic plants:*

EC50 (7 d) > 0.00139 mg/l (growth rate), Lemna gibba (OECD Guideline 201)

No observed effect concentration (7 d) > 0.00139 mg/l (growth rate), Lemna gibba (OECD guideline 221, static)

EC50 (72 h) > 0.027 mg/l (growth rate), Anabaena flos-aquae (OECD Guideline 201)

Information on: alpha-cypermethrin

Chronic toxicity to fish:

No observed effect concentration (34 d) 0,03 µg/L, Pimephales promelas (OPP 72-4 (EPA-Guideline), Flow through.)

Information on: alpha-cypermethrin

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 0,03 µg/L, Daphnia magna (OPP 72-4 (EPA-Guideline), semistatic)

12.2 Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Alpha-Cypermethrin

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

12.3 Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Alpha-Cypermethrin

Bioaccumulation potential:

Bioconcentration factor: 155 - 910 (73 d), Cyprinus carpio (OECD Guideline 305 C)

Accumulation in organisms is not to be expected.

12.4 Mobility in soil

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Alpha-Cypermethrin

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

12.5 Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

12.6 Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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12.7 Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

CONTAINER: Triple rinse empty container and add rinsate to the spray tank. Recycle through Agrecovery (0800 247 326, www.agrecovery.co.nz).

PRODUCT: Dispose of this product only by using according to the label or at an approved landfill. Do NOT burn product. Do NOT contaminate water with product or used container.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Commercial transport:

Classified as Dangerous Goods for Land/rail (ADR/RID), sea (IMDG/GGVSee) and air transport (ICAO/IATA):

UN number:	UN 3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRIN 1.5%)
Transport hazard class(es):	9, EHSM
Packing group:	III
Marine pollutant:	YES
HAZCHEM:	3[Z]

Public transport:

Do NOT carry more than one litre of this product on a passenger service vehicle.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

A chemical safety assessment acc. to art. 14 of Regulation (EC) No 1907/2006 is not required, because art. 15 of the same regulation applies.

15.3 NZ Regulations

Approved pursuant to the HSNO Act 1996, Code HSR000286.
See www.epa.govt.nz for approval conditions.

MPI approved Type B (All animal product except dairy).

MPI approved for use in Farm Dairies and Recognized for use in Dairy Processing.

16. Other Information

For proper and safe use of this product, please refer to the product label.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the products properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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