

# Safety data sheet

BASF Safety data sheet  
Date / Revised: 21.06.2021  
Product: **RIPCORD® XTRA**

(Ref: ID no. 30786987/SDS\_CPA\_NZ/EN; Version 1.0)

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

### Product identifier

## RIPCORD® XTRA

### 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 Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

### 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: 6.9B, 9.1A, 9.3B, 9.4A



Signal word: WARNING

Hazard statements:

STOT Rep. Exp. 2  
Aquatic Chronic 1

May cause damage to organs through prolonged or repeated exposure.  
Very toxic to aquatic life with long lasting effects.  
Hazardous to terrestrial vertebrates.  
Hazardous to terrestrial invertebrates.

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Precautionary statements (Prevention):

Keep out of reach of children. Read label before use. DO NOT breathe 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):

Call a POISON CENTRE or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. DO NOT induce vomiting. IF ON EYES: wash affected eyes for at least 15 minutes under running water with eyelids held open. 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.

Other hazards which do not result in classification:

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

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

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): 5.83 %  
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 Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

Propane-1,2-diol  
Content (W/W): <20 %  
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, lung oedema, convulsions.

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

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

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## 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.

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## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

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

#### Qualification requirements:

The person purchasing, handling, or applying this product must be a Qualified Person.

#### Certified Handler:

Not required.

#### Tracking:

Not required.

#### Record keeping:

Records of use must be kept if 3 litres or more of the substance is applied within 24 hours.

#### 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 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

Protect from temperatures below: -10 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time. 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/m<sup>3</sup> (OEL (NZ)), Particulate

TWA value 474 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ)), Vapor and particulates

### 8.2 Exposure controls

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): 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:	faintly aromatic

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Odour threshold:	not determined due to potential health hazard by inhalation.
pH value:	approx. 6 – 8 (water, 1 %(m), 20 °C)
Crystallization temperature:	approx. -5.7 °C
Boiling point:	approx. 100 °C (1,013 hPa); information applies to the solvent.
Flash point:	>100 °C - measurement made up to the boiling point.
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 (Directive 92/69/EEC, A.15)
Thermal decomposition:	345 °C , > 300 kJ/kg (DSC (OECD 113)) Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.
SADT:	> 75 °C
Explosion hazard:	not explosive (Directive 92/69/EEC, A.14)
Fire promoting properties:	not fire-propagating
Vapour pressure:	approx. 23.4 hPa (20 °C) Information applies to the solvent.
Density:	approx. 1.03 g/cm <sup>3</sup> (20 °C) (OECD Guideline 109)
Relative vapour density (air):	not determined
Solubility in water:	dispersible
Partitioning coefficient n-octanol/water (log Kow):	not applicable
Viscosity, dynamic:	28 mPa.s (40 °C, 100 1/s) (OECD 114)

## 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:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg (Guideline 92/69/EEC, B.1)

LC50 rat (by inhalation): > 2.08 mg/l 4 h (OECD Guideline 403)

Highest concentration technically achievable. No mortality was observed. An aerosol was tested.

LD50 rat (dermal): > 2,000 mg/kg (Directive 92/69/EEC, B.3)

No mortality was observed.

#### Irritation

Assessment of irritating effects:

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

Experimental/calculated data:

Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

#### Respiratory/Skin sensitization

Assessment of sensitization:

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

Experimental/calculated data:

modified Buehler test guinea pig: (OECD Guideline 406)

#### 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:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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 Ecotoxicity

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)*  
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## 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.*

## 12.2 Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
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 (H<sub>2</sub>O):*  
*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.*

## 12.5 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.

## 12 7 Additional information

Other ecotoxicological advice:  
Do not discharge product into the environment without control.

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### 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](http://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

Packing group:	III
ID number:	UN 3082
Transport hazard class(es):	9, EHSM
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRIN)
Marine pollutant:	YES
HAZCHEM:	3[Z]
IERG Number:	47

Public transport:

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

Further information:

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3 Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

### 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 HSR101397.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

## 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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

| Vertical lines in the left hand margin indicate an amendment from the previous version.