

Safety Data Sheet

BASF Safety data sheet
Date / Revised: 15.07.2019
Product: RIPCORD®

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(Ref: ID no. 30364479/SDS_CPA_ID/EN; Version 3.0)

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

1.1. Product identifier

RIPCORD®

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

Relevant identified uses: crop protection product, insecticide.

1.3. 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: 0800 932 273

1.4. Emergency telephone number

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)

SECTION 2. Hazards Identification

2.1. Classification of the substance or mixture

Hazard classification:
3.1C, 6.1D, 6.3A, 6.4A, 6.5B, 6.8B, 6.9A, 9.1A, 9.3C, 9.4A

2.2. Label elements

Pictogram:



Signal word: DANGER

Hazard statements:

Flammable liquid and vapour. Harmful if swallowed, inhaled, or in contact with skin. Causes skin and eye irritation. Suspected of damaging fertility or the unborn child from repeated oral exposure at high doses. May cause damage to the gastrointestinal tract from repeated oral exposure at high doses. May cause damage to the lungs if swallowed. Very toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates. Very toxic to terrestrial invertebrates.

Precautionary statements:

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. Keep container tightly closed. Use personal protective equipment as required. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing mist, vapours or spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace.

Other hazards:

Hazard determining component(s) for labelling: CYPERMETHRIN, XYLENE
The product contains: CYPERMETHRIN
May cause paraesthesia.

2.3. Other hazards

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.

SECTION 3. Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

Biocide, insecticide, emulsifiable concentrate (EC).

Hazardous ingredients

Cypermethrin; alpha-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate Content (W/W): 21.1 % CAS Number: 52315-07-8 EC-Number: 257-842-9 INDEX-Number: 607-421-00-4	Acute tox.: Cat. 4 (Inhalation - dust) Acute tox.: Cat. 4 (oral) STOT single: Cat. 3 (irr. to respiratory syst.) Eco acute: Cat. 1 Eco chronic: Cat. 1
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Xylene Content (W/W): < 70 % CAS Number: 1330-20-7 EC-Number: 215-535-7 INDEX-Number: 601-022-00-9	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2B STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Central nervous system, Liver, Kidney): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
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For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

SECTION 4. First-Aid Measures

4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing. Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water. Seek medical attention. DO NOT induce vomiting due to aspiration hazard. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.

Most important symptoms and effects, both acute and delayed

Information on: Cypermethrin

Symptoms: numbness and tingling of hands and feet, lung oedema, convulsions

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote. If inhaled, consider using corticosteroid dose aerosol.

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, dry powder, foam, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, hydrogen chloride, nitrogen oxides.

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.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately. Do not breathe vapour/spray/mist.

6.2 Environmental precautions

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

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) and place in covered containers that can be labelled and sealed for proper disposal. (See "Disposal".) Clean the spill area and contaminated objects thoroughly with water and detergent. Contain and absorb this rinsate with inert absorbents and place into the same covered container as the spilled material. Spills to the soil can be shovelled directly into covered containers for disposal. Dispose of absorbed material in accordance with local regulations. For large amounts: Dike spillage. Pump off product.

6.4 Reference to other sections

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

SECTION 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:

Any person mixing, loading or handling this product must be a qualified person. Refer to the product label for handling precautions and directions for use.

TRACKING:

Not required.

RECORD KEEPING:

Records of use must be kept.

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.

Protection against fire and explosion:

Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feedstuff.

Unsuitable materials for containers: High density polyethylene (HDPE)

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

Storage stability:

Storage duration: 24 Months

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.

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:
100 L (closed) 25 L (decanted) 5 L (open occasionally)	100 L (closed) 25 L (decanted) 5 L (open occasionally)	500 L (2 required)	100 L	0.1 L	100 L	100 L

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

DO NOT STORE OR LOAD WITH:

Class 1 Explosive

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.

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.

SECTION 8. Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

Substance	CAS#	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Xylene (o-, m-, p-isomers)	[1330-20-7]; [95-47-6]; [108-38-3]; [106-42-3]	50	217		

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

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:

Tightly fitting safety goggles (splash 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

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

SECTION 9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: liquid

Colour: clear

Odour: of the solvent contained in the product

Odour threshold: not determined since harmful by inhalation

pH value: approx. 5 (water, 1 % (m), 20 °C). The product has not been tested.

The statement has been derived from products of a similar structure or composition.

Crystallization temperature: < 0 °C

Information on: xylene

Boiling range: 137 - 140 °C (1,013 hPa) (other) Literature data.

Flash point: 26 °C
Evaporation rate: not determined
Flammability: Flammable.
Lower explosion limit: 1.0 - 1.1 % (V) Information applies to the solvent.
Upper explosion limit: 6 - 7 % (V) Information applies to the solvent.

Information on: xylene

Ignition temperature: approx. 463 - 528 °C Literature data.

Vapour pressure: approx. 11.7 hPa (25 °C) Information applies to the solvent.
Density: 0.94 g/cm³ (20 °C)
Relative density: 0.94 (20 °C) (calculated)
Relative vapour density (air): not applicable
Solubility in water: emulsifiable
Partitioning coefficient
N-octanol/water (log Kow): not applicable

Information on: Cypermethrin

*Partitioning coefficient
N-octanol/water (log Kow):* 6.3 (20 °C)

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: approx. 71 mPa.s (25 °C)
By analogy with a product of similar composition
Viscosity, kinematic: approx. 75 mm²/s (25 °C)
By analogy with a product of similar composition

Explosion hazard: not explosive

Fire promoting properties: Based on its structural properties the product is not classified as oxidizing.

9.2. Other information

Information on: xylene
Adsorption/water - soil: KOC: 443.1; log KOC: 2.64 (calculated)
Adsorption to solid soil phase is possible.

SECTION 10. Stability and Reactivity

10.1. Reactivity

Vapours may form explosive mixture with air.

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

Avoid all sources of ignition: heat, sparks and open flame.

10.5. Incompatible materials

Substances to avoid:
strong bases, strong acids, strong oxidizing agents

10.6. Hazardous decomposition products:

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

SECTION 11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Experimental/calculated data:

LD50 rat (oral): 1,049 mg/kg

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

Information on: xylene

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact. High concentrations in the air may cause narcosis. Virtually nontoxic after a single ingestion.

Information on: Cypermethrin

Experimental/calculated data:

LC50 rat (by inhalation): 3.28 mg/l (OECD Guideline 403)

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant.

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Serious eye damage/irritation rabbit: Risk of serious damage to eyes.

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Information on: Cypermethrin

Assessment of irritating effects:

Irritating to respiratory system. EU-classification

Information on: xylene

Assessment of irritating effects:

Skin contact causes irritation. Not irritating to the eyes.

Respiratory/Skin sensitization

Experimental/calculated data:

Guinea pig: Caused skin sensitization in animal studies.

The statement for sensitization was derived from products of similar composition.

Germ cell mutagenicity

Information on: Cypermethrin

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture.

Information on: xylene

Assessment of mutagenicity:

No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The substance was not mutagenic in studies with mammals.

Carcinogenicity

Information on: Cypermethrin

Assessment of carcinogenicity:

The whole of the information available provides no indication of a carcinogenic effect.

Reproductive toxicity

Information on: Cypermethrin

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect.

Information on: xylene

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Information on: Cypermethrin

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Information on: xylene

Assessment of teratogenicity:

A teratogenic potential cannot be excluded.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

The available information is not sufficient for the evaluation of specific target organ toxicity.

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

Information on: Cypermethrin

Assessment of repeated dose toxicity:

No data available concerning repeated dose toxicity.

Information on: xylene

Assessment of repeated dose toxicity:

The substance may cause damage to the central nervous system after repeated ingestion of high doses.

Aspiration hazard

May also damage the lung at swallowing (aspiration hazard).

Other relevant toxicity information

Misuse can be harmful to health. May cause paraesthesia.

SECTION 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: Cypermethrin

Toxicity to fish:

*LC50 (96 h) 0.0028 mg/l, *Oncorhynchus mykiss**

Information on: Cypermethrin

Aquatic invertebrates:

*EC50 (48 h) 0.000007 mg/l 6,95 ng/l, *Chironomus riparius* (OECD Guideline 202, part 1)*

Information on: Cypermethrin

Aquatic plants:

*EC50 (96 h) > 0.1 mg/l, *Pseudokirchneriella subcapitata* (other)*

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: Cypermethrin

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria). The product has not been tested. The statement has been derived from products of a similar structure or composition.

Information on: xylene

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components. The product is highly volatile and can be eliminated from water by stripping.

12.3. Bioaccumulation potential

Assessment bioaccumulation potential:

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

Information on: Cypermethrin

Bioaccumulation potential:

Bioconcentration factor: 1,204

Information on: xylene

Bioaccumulation potential:

*Bioconcentration factor: 15 (96 h), *Salmo gairdneri*, syn. *O. mykiss**

Does not significantly accumulate in organisms.

12.4. Mobility in soil

Assessment transport between environmental compartments:

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

Information on: Cypermethrin

Assessment transport between environmental compartments:

Adsorption to solid soil phase is possible.

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

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12.7. Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

SECTION 13. Disposal Considerations

To avoid disposal all attempts should be made to use this product completely, in accordance with its registered use. If this is not possible handle with care and dispose of in a safe manner. Follow all applicable community, regional and national regulations regarding waste management methods.

13.1. Waste treatment methods

Container:

Triple rinse empty container and add residue to the spray tank, then crush and bury in a suitable landfill. DO NOT REUSE empty container.

Product:

Dispose of this product only by using according to the label or at an approved landfill. DO NOT burn product. For information on disposal of unused, unwanted product, contact the local council. DO NOT contaminate surface or ground water with chemical or empty container.

Contaminated packaging:

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

SECTION 14. Transport Information

Commercial transport:

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

UN number	1993
UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (contains XYLENE, CYPERMETHRIN)
Transport hazard class(es):	3, EHSM
Packing group:	III
Environmental hazards:	Yes
Marine pollutant:	Yes
HAZCHEM:	3W

Public transport:

Do not carry this product on a passenger service vehicle.

14.1. UN number

See corresponding entries for "UN number" for the respective regulations in tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in tables above.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

SECTION 15. Regulatory Information

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

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

NZ Regulations

Approved pursuant to the HSNO Act 1996, Code HSR000257.
See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, Nos. P2810 and A5671.
See www.foodsafety.govt.nz for registration conditions.

MPI Approved Type B (All animal product except dairy).
MPI approved for use in farm dairies and recognized for use in dairy processing.

15.2 Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16. Other Information

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.

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