

Safety Data Sheet

BASF Safety Data Sheet
Date / Revised: 01.07.2009 (NZ 6829)
Product: RIPCORD

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1. Substance/preparation and company identification

RIPCORD®

Company:

BASF New Zealand Limited
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P.O. Box 407, Auckland 1140
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E-mail address: reception@basf-nz.co.nz

Emergency information:

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 Hour Advice in an Emergency Only)

2. Hazard identification

Hazard Classification:

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

Priority Identifier:

Warning. Keep out of reach of children

Secondary Identifiers:

- 3.1C FLAMMABLE. Flammable liquid and vapour.
 - 6.1D HARMFUL. May be harmful if swallowed or inhaled. May cause damage to the lungs if swallowed.
 - 6.3B May cause mild skin irritation to individuals with sensitive skin. Skin contact may cause temporary skin numbness. May cause sensitisation by skin contact.
 - 6.4A May cause serious eye irritation.
 - 6.8B May cause reproductive/development damage from repeated oral exposure at high doses.
 - 6.9A May cause damage to the gastrointestinal tract from repeated oral exposure at high doses.
 - 9.1A VERY TOXIC TO AQUATIC LIFE. May cause long-term adverse effects in the aquatic environment. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites
 - 9.3C HARMFUL TO TERRESTRIAL VERTEBRATES.
 - 9.4A VERY TOXIC TERRESTRIAL INVERTEBRATES. Insecticide.
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3. Composition/information on ingredients

Chemical nature:

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:

Cypermethrin

Content (W/W): 21.1 %

CAS Number: 52315-07-8

EC-Number: 257-842-9

Hazard symbol(s): Xn, N

R-phrase(s): 20/22, 37, 50/53

xylene

Content (W/W): 70.5 %

CAS Number: 1330-20-7

EC-Number: 215-535-7

Hazard symbol(s): Xn

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: 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.

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:

Rinse mouth immediately and then drink plenty of water. Do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control centre or doctor. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.

Note to physician:

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media:

Water spray, water fog, carbon dioxide, foam, dry extinguishing media

Specific hazards:

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

The substances/groups of substances mentioned can be released in case of fire.

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 separately contaminated extinguishing water; 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

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:

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

Methods for cleaning up or taking 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.

Cleaning operations should be carried out only while wearing breathing apparatus. 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.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly.

Approved Handlers:

Approved handlers are not required for this product except during commercial use. This product must be under the control of an APPROVED HANDLER if it is being applied in a wide dispersive manner or by a commercial contractor. Refer to the product label for handling precautions and directions for use.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.
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.

Storage Site Requirements:

Stores containing more than 100 litres of this product require emergency response plans and secondary containment systems, and are subject to signage. Note: 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.

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 litres (2 required)	100 litres	0.1 litres	100 litres	100 litres

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

Record Keeping

Records of use must be kept if applying more than 200 ml of this product within a 24 hour period.

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.

8. Exposure controls and personal protection

Components with workplace control parameters

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)

STEL value 150 ppm (ACGIHTLV)

TWA value 434 mg/m³ ; 100 ppm (OEL (ID))

Personal protective equipment

Respiratory protection:

Breathing protection if gases/vapours are formed. Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

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), polyvinylchloride (0.7 mm) and other

Eye protection:

Tightly fitting safety goggles (splash goggles) (f.e. 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 DIN-EN 465).

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.

9. Physical and chemical properties

Form: liquid

Colour: clear

Odour: of the solvent contained in the product

Flash point: 26 °C

Density: 0.95 g/cm³ (20 °C)

Solubility in water: emulsifiable

10. Stability and reactivity

Conditions to avoid: Avoid all sources of ignition: heat, sparks, open flame.

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

Substances to avoid: oxidizing agent

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

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

11. Toxicological information

LD50/oral/rat: 1,049 mg/kg
Information on: Cypermethrin
LC50/by inhalation/rat: 2.5 mg/l / 4 h

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

Primary skin irritation/rabbit: Irritant.

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

Primary irritations of the mucous membrane/rabbit: Risk of serious damage to eyes.

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

Sensitization/guinea pig: Caused sensitization in animal studies.

Additional information:

Misuse can be harmful to health. May cause paraesthesia.

12. Ecological information

Ecotoxicity

Information on: Cypermethrin

Toxicity to fish:

Oncorhynchus mykiss/LC50 (96 h): 2.0 - 2.8 µg/l

Information on: Cypermethrin

Aquatic invertebrates:

Daphnia magna/EC50 (48 h): 0.3 µg/l

Information on: Cypermethrin

Aquatic plants:

Pseudokirchneriella subcapitata/EC50 (96 h): > 100 µg/l

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, then crush rinsed container and bury in a suitable landfill.

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.

14. Transport information

Commercial transport:

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

DG Class	3
Packaging Group	III
UN Number	1993
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (contains XYLENE, CYPERMETHRIN)
HAZCHEM:	3W
Marine Pollutant:	YES

Public transport:

Do not carry this product on a passenger service vehicle.

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

EEC Directives:

Hazard symbol(s)

Xn Harmful.

N Dangerous for the environment.

R-phrases(s)

R10 Flammable.

R20/22 Harmful by inhalation and if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R65 Harmful: may cause lung damage if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35 This material and its container must be disposed of in a safe way.

S36/37 Wear suitable protective clothing and gloves.

S39 Wear eye/face protection.

S57 Use appropriate container to avoid environmental contamination.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard determinant component(s) for labelling: CYPERMETHRIN, XYLENE

The product contains: Cypermethrin
May cause paraesthesia.

Other regulations

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.ermanz.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, Nos. P2810 and A5671.
For registration conditions relating to the use of RIPCORD in horticulture see www.nzfsa.govt.nz/acvm, P2810.
For registration conditions relating to the use of RIPCORD for animal health see www.nzfsa.govt.nz/acvm, A5671.

NZFSA Approved Type B (All animal product except dairy).
AsureQuality approved for use in Food/Beverage/Dairy Factories Category B.

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

Xn	Harmful.
N	Dangerous for the environment.
20/22	Harmful by inhalation and if swallowed.
37	Irritating to respiratory system.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.
65	Harmful: may cause lung damage if swallowed.

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

<p>DISCLAIMER: The information provided in this SDS is based upon sources believed to be accurate. However, BASF New Zealand Limited assumes no responsibility for the accuracy, completeness or suitability of this information. The product recipient/user is responsible for determining the suitability of this information for their particular purposes, and for observing existing laws and regulations.</p>
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