

Safety data sheet

RIPCORD 400 EC

Revision date : 2009/04/21
Version: 2.0

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(30129783/SDS_CPA_CA/EN)

1. Substance/preparation and company identification

Company
BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

Substance number: 000000062166
Synonyms: Cypermethrin 400 g/l

2. Hazardous ingredients

Not WHMIS controlled.

3. Hazard identification

Potential health effects

See Product Label for additional precautionary statements.

Irritation:
Irritating to eyes, respiratory system and skin.

Sensitization:
Danger of skin sensitization on repeated contact.

4. First-aid measures

General advice:
Remove contaminated clothing. Immediate medical attention required. Show container, label and/or safety data sheet to physician.

If inhaled:
Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

If on skin:
Wash affected areas thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

If in eyes:
Hold eyelids open to facilitate rinsing. Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

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If swallowed:

Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Note to physician

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

5. Fire-fighting measures

Flash point: 28 °C
Information on: Xylene
Autoignition: approx. 463 - 528 °C Literature data.

Information on: xylene
Lower explosion limit: 1.0 %(V)

Information on: xylene
Upper explosion limit: 7.8 %(V)

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry extinguishing media

Hazards during fire-fighting:

carbon monoxide, Hydrogen chloride, nitrogen oxides, organochloric compounds
The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

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

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

Cleanup:

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 labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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.

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7. Handling and storage

Handling

General advice:

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:

Vapours may form explosive mixture with air. The product is combustible. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Storage stability:

Storage duration: 24 Months

The stated storage temperature should be noted.

8. Exposure controls and personal protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

Personal protective equipment

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory protection:

Breathing protection if gases/vapours are formed. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves, Suitable materials, nitrile rubber (Buna N), chloroprene rubber (Neoprene)

Eye protection:

Tightly fitting safety goggles (chemical goggles).

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. Wash soiled clothing immediately.

9. Physical and chemical properties

Form:	liquid		
Odour:	aromatic		
Odour threshold:	No data available.		
Colour:	clear		
pH value:	4.9	(20 g/l)	
Freezing point:	-50 °C		
Vapour pressure:	approx. 11.7 hPa	(25 °C)	Information applies to the solvent.
Density:	1.006 g/cm ³	(20 °C)	
Bulk density:		dropped	

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Partitioning coefficient n-octanol/water (log Pow): <i>Information on: xylene</i>		not applicable
Partitioning coefficient n-octanol/water (log Pow): -----	3.12 - 3.20	
Solubility in water:		(20 °C) emulsifiable

10. Stability and reactivity

Substances to avoid:
strong alkalies

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

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

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

11. Toxicological information

Acute toxicity

Oral:
LD50/rat/male/female: 760 mg/kg

Inhalation:

Information on: Cypermethrin

Dermal:
LD50/rat/male/female: > 2,000 mg/kg

Skin irritation:
rabbit: Irritant.

Eye irritation :
rabbit: Risk of serious damage to eyes.

Sensitization:
guinea pig: Caused skin sensitization in animal studies.

Chronic toxicity

Other information:
Misuse can be harmful to health.
May cause paraesthesia.

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12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Not readily biodegradable (by OECD criteria).
Not readily biodegradable (by OECD criteria).

Environmental toxicity

Acute and prolonged toxicity to fish:

Rainbow trout/LC50 (96 h): 0.01 mg/l

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): 0,8 µg/l

Information on: Cypermethrin

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:

See product label for disposal and recycling instructions.

14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations

Registration status:

DSL, CA released / listed

WHMIS does not apply to this product.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

16. Other information

Refer to product label for EPA registration number.

Local contact information

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