

# Safety data sheet

## RIPCORD 400 EC

Revision date : 2009/07/10  
Version: 2.1

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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

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
1330-20-7	>= 40.0 - <= 70.0 %	Xylene

### 3. Hazard identification

#### Emergency overview

COMBUSTIBLE. IRRITANT. SENSITIZER. May cause sensitization by skin contact.  
Irritating to eyes and skin.  
Contains a suspect teratogen.

#### 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.

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### **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.

### **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.

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## 5. Fire-fighting measures

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

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*Information on: xylene*  
Lower explosion limit: 1.0 %(V)  
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*Information on: xylene*  
Upper explosion limit: 7.8 %(V)  
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### **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.

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## 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.

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### **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.

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## 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.

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### 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/cm3	( 20 °C)
Bulk density:		dropped
Partitioning coefficient n-octanol/water (log Pow):		not applicable
<i>Information on: xylene</i>		
Partitioning coefficient n-octanol/water (log Pow):	3.12 - 3.20	
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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:**

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guinea pig: Caused skin sensitization in animal studies.

### Chronic toxicity

#### **Developmental toxicity/teratogenicity:**

*Information on: Xylene*

*A teratogenic potential cannot be excluded.*

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#### **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*

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#### **Other ecotoxicological advice:**

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

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## 13. Disposal considerations

#### **Waste disposal of substance:**

See product label for disposal and recycling instructions.

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## 14. Transport information

Reference Bill of Lading

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## 15. Regulatory information

### Federal Regulations

#### **Registration status:**

DSL, CA

released / listed

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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.**

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### 16. Other information

**Refer to product label for EPA registration number.**

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**Local contact information**  
BASF Canada Product Safety  
prod\_reg@basf.com

END OF DATA SHEET