

# Safety Data Sheet

## RIPCORD ENGAGE AGRO

Revision date : 2012/05/17

Version: 1.1

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(30566650/SDS\_CPA\_CA/EN)

### 1. Product 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)

PCP # 30316

Synonyms: Cypermethrin 400 g/l

### 2. Hazards Identification

Emergency overview

CAUTION:  
POISON.  
KEEP OUT OF REACH OF CHILDREN.  
HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE.  
May be harmful if absorbed through skin.  
Severely irritating to the eyes.  
CAUSES SKIN IRRITATION.  
Skin sensitizer.  
Avoid contact with the skin, eyes and clothing.  
Avoid inhalation of mists/vapours.

State of matter: liquid

Colour: amber

Odour: aromatic

Potential health effects**Acute toxicity:**

Slightly toxic after single ingestion. Relatively nontoxic after short-term inhalation. Slightly toxic after short-term skin contact.

**Irritation / corrosion:**

May cause moderate but temporary irritation to the eyes. May cause slight irritation to the skin.

**Sensitization:**

Danger of skin sensitization on repeated contact.

**Medical conditions aggravated by overexposure:**

Individuals with pre-existing diseases of the respiratory system, skin or eyes may have increased susceptibility to excessive exposures.

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### Potential environmental effects

#### **Aquatic toxicity:**

Very toxic (acute effect) to aquatic organisms.

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### 3. Composition / Information on Ingredients

Not WHMIS controlled.

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### 4. First-Aid Measures

#### **General advice:**

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

#### **If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary.

#### **If on skin:**

Rinse skin immediately with plenty of water for 15 - 20 minutes.

#### **If in eyes:**

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

#### **If swallowed:**

Rinse mouth and then drink plenty of water. 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**

Antidote: No known specific antidote.  
Treatment: Treat symptomatically.

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### 5. Fire-Fighting Measures

Flash point: 54 °C  
Lower explosion limit: 1.0 %(V)  
Upper explosion limit: 7.0 %(V)  
Self-ignition temperature: not self-igniting

#### **Suitable extinguishing media:**

water spray, dry powder, foam, carbon dioxide

#### **Hazards during fire-fighting:**

carbon monoxide, carbon dioxide, nitrogen oxides  
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:**

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

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### 6. Accidental release measures

**Personal precautions:**

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

**Environmental precautions:**

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

**Cleanup:**

Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

### 7. Handling and Storage

**Handling**

**General advice:**

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.

**Protection against fire and explosion:**

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

**Storage**

**General advice:**

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination.

**Storage incompatibility:**

General advice: Segregate from foods and animal feeds.

**Temperature tolerance**

Protect from temperatures below: 0 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

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.

### 8. Exposure Controls and Personal Protection

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

**Components with workplace control parameters**

1,2,4-trimethylbenzene

ACGIH TWA value 25 ppm ;

mesitylene

ACGIH TWA value 25 ppm ;

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### Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

#### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

#### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Remove contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	aromatic	
Odour threshold:	No data available.	
Colour:	amber	
pH value:	6.8	( 1 %(m), 25 °C)
Density:	1.01 g/cm <sup>3</sup>	( 20 °C)
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:	10 cps	( 20 °C)
	24 cps	( 5 °C)
Solubility in water:		( 20 °C) emulsifiable

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

### Substances to avoid:

strong acids, strong bases, strong oxidizing agents, plastics

### Hazardous reactions:

The product is chemically stable.

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Hazardous polymerization will not occur. 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:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide, Hydrocarbons

Stable at ambient temperature. If product is heated above decomposition temperature, toxic vapours will be released.

### Oxidizing properties:

not fire-propagating

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## 11. Toxicological information

### Acute toxicity

#### Oral:

Type of value: LD50

Species: rat (female)

Value: 542 mg/kg

#### Inhalation:

*Information on: Zeta - Cypermethrin*

Type of value: LC50

Species: rat

Value: 2.5 mg/l

Exposure time: 4 h

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#### Dermal:

Type of value: LD50

Species: rat

Value: 3,000 mg/kg

### Irritation / corrosion

#### Skin:

Species: rabbit

Result: Slightly irritating.

#### Eye:

Species: rabbit

Result: moderately irritating

#### Sensitization:

Species: guinea pig

Result: Potential sensitizer.

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## 12. Ecological Information

### Fish

*Information on: Zeta - Cypermethrin*

Acute:

*Oncorhynchus mykiss/LC50 (96 h):* = 0,69 µg/l

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### Aquatic invertebrates

*Information on: Zeta - Cypermethrin*

*Acute:*

*Daphnia magna/EC50 (48 h): 0,15 µg/l*  
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### Aquatic plants

*Information on: Zeta - Cypermethrin*

*Toxicity to aquatic plants:*

*other green algae/EC50 (96 h): > 100 µg/l*  
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## 13. Disposal considerations

### Waste disposal of substance:

See product label for disposal and recycling instructions.

### Container disposal:

Rinse the container or liner as needed for disposal. Add rinsate to spray tank. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Consult the product label for additional details.

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## 14. Transport Information

### Land transport

TDG

Hazard class:	3
Packing group:	III
ID number:	UN 1993
Hazard label:	3, EHSM
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (contains CYPERMETHRIN, SOLVENT NAPHTHA)

### Sea transport

IMDG

Hazard class:	3
Packing group:	III
ID number:	UN 1993
Hazard label:	3, EHSM
Marine pollutant:	YES
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (contains CYPERMETHRIN, SOLVENT NAPHTHA)

### Air transport

IATA/ICAO

Hazard class:	3
Packing group:	III
ID number:	UN 1993
Hazard label:	3
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (contains CYPERMETHRIN, SOLVENT NAPHTHA)

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### 15. Regulatory Information

#### Federal Regulations

**Registration status:**

Chemical DSL, CA released; restriction on quantity / not listed

Crop Protection DSL, CA released / exempt

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

Recommended use: insecticide

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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**MSDS Prepared by:**

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MSDS Prepared on: 2012/05/17

END OF DATA SHEET