

# Safety Data Sheet

## MERGE

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(30059253/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 # 21058/24702

### 2. Hazards Identification

#### Emergency overview

WARNING:  
POISON.  
Skin Irritant  
KEEP OUT OF REACH OF CHILDREN.  
HARMFUL IF SWALLOWED.  
HARMFUL IN CONTACT WITH SKIN.  
This product is a skin irritant.  
COMBUSTIBLE LIQUID.  
Avoid inhalation of mists/vapours.  
Avoid contact with the skin, eyes and clothing.  
Wash thoroughly after handling.

State of matter: liquid  
Colour: pale straw yellow  
Odour: faintly aromatic

#### Potential health effects

##### **Acute toxicity:**

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

##### **Irritation / corrosion:**

Irritating to eyes and skin.

##### **Sensitization:**

There is no evidence of a skin-sensitizing potential.

#### Potential environmental effects

**Bioaccumulation / bioconcentration:**

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

### 3. Composition / Information on Ingredients

Not WHMIS controlled.

### 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:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Do not induce vomiting due to aspiration hazard.

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.

### 5. Fire-Fighting Measures

Flash point:	65.5 °C	(closed cup)
Lower explosion limit:		As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:		As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Flammability:	not highly flammable	

#### Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

#### Hazards during fire-fighting:

carbon monoxide, carbon dioxide, nitrogen oxides

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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.

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:**

For small amounts: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

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. 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. Remove contaminated clothing and protective equipment before entering eating areas.

**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: 5 °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.

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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.

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### Components with occupational exposure limits

naphthalene	OSHA PEL	PEL 10 ppm 50 mg/m <sup>3</sup> ; STEL value 15 ppm 75 mg/m <sup>3</sup> ; TWA value 10 ppm 50 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 10 ppm ; STEL value 15 ppm ; Skin Designation ; The substance can be absorbed through the skin.

### **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:	faintly aromatic	
Odour threshold:	No data available.	
Colour:	pale straw yellow	
pH value:		not applicable, not soluble
Melting point:		not determined
Boiling point:	approx. 184 °C	Information applies to the solvent.
Density:	0.934 g/cm <sup>3</sup>	( 20 °C)
Vapour density:		not applicable
Viscosity, dynamic:		not determined
Solubility in water:		emulsifiable

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## 10. Stability and Reactivity

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### 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

### 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:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide

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

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## 11. Toxicological information

### Acute toxicity

#### Oral:

*Information on: Alcohols, C16-18, ethoxylated propoxylated*

*Type of value: LD50*

*Species: rat*

*Value: > 2,000 mg/kg*

*Information on: solvent naphtha*

*Type of value: LD50*

*Species: rat*

*Value: > 7,000 mg/kg*

#### Inhalation:

*Information on: Alcohols, C16-18, ethoxylated propoxylated*

*Type of value: LC50*

*Species: rat*

*Value: > 0.25 - < 1 mg/l*

*Exposure time: 4 h*

*An aerosol was tested.*

*Information on: solvent naphtha*

*Type of value: LC50*

*Species: rat*

*Value: > 4 mg/l*

*Exposure time: 4 h*

#### Dermal:

*Information on: Alcohols, C16-18, ethoxylated propoxylated*

*Value: > 4,000 mg/kg*

*Information on: solvent naphtha*

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Type of value: LD50  
Species: rat  
Value: > 3,160 mg/kg  
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### Irritation / corrosion:

#### Skin:

Information on: Alcohols, C16-18, ethoxylated propoxylated  
Species: rabbit  
Result: non-irritant  
Method: BASF-Test

Information on: solvent naphtha  
Species: rabbit  
Result: moderately irritating  
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#### Eye:

Information on: Alcohols, C16-18, ethoxylated propoxylated  
Species: rabbit  
Result: non-irritant  
Method: BASF-Test

Information on: solvent naphtha  
Species: rabbit  
Result: Slightly irritating.  
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#### Sensitization:

Information on: solvent naphtha  
Buehler test  
Species: guinea pig  
Result: Non-sensitizing.  
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#### Genetic toxicity

Information on: solvent naphtha  
No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The substance was not mutagenic in studies with mammals.  
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## 12. Ecological Information

### Fish

Information on: Alcohols, C16-18, ethoxylated propoxylated  
Acute:  
Oncorhynchus mykiss/LC50: 0.1 - 1 mg/l

Information on: solvent naphtha  
Acute:  
OECD 203; ISO 7346; 84/449/EEC, C.1 semistatic  
Oncorhynchus mykiss/LC50 (96 h): 18 mg/l  
The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An aqueous dispersion has been tested.  
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### Aquatic invertebrates

*Information on: Alcohols, C16-18, ethoxylated propoxylated*

*Acute:*

*EC50 (48 h): 0.1 - 1 mg/l*

*Information on: solvent naphtha*

*Acute:*

*OECD Guideline 202, part 1 static*

*Daphnia magna/EC50 (48 h): 1.4 - 21 mg/l*

*The product has low solubility in the test medium. An aqueous dispersion has been tested.*

### Aquatic plants

*Information on: Alcohols, C16-18, ethoxylated propoxylated*

*Toxicity to aquatic plants:*

*EC50 (72 h): 0.1 - 1 mg/l*

*Information on: solvent naphtha*

*Toxicity to aquatic plants:*

*OECD Guideline 201 green algae/EC50 (72 h): 3.7 - 8.3 mg/l*

*Analogous: Assessment derived from products with similar chemical character.*

*The product has low solubility in the test medium. An aqueous dispersion has been tested.*

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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

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9, EHSM
Marine pollutant:	YES
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains SOLVENT NAPHTHA, ALCOHOLS, ETHOXYLATED, PROPOXYLATED)

### Air transport

IATA/ICAO

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Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains SOLVENT NAPHTHA, ALCOHOLS, ETHOXYLATED, PROPOXYLATED)

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## 15. Regulatory Information

### Federal Regulations

#### **Registration status:**

Chemical DSL, CA blocked / not listed

Crop Protection 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.**

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## 16. Other Information

Recommended use: adjuvant

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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### **SDS Prepared by:**

BASF NA Product Regulations

BASF HOTLINE (800) 454 – COPE (2673)

SDS Prepared on: 2014/11/07

END OF DATA SHEET