



The Chemical Company

Safety Data Sheet

PREMIS 200F

Revision date : 2013/04/19
Version: 3.0

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(30276396/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)

Molecular formula: C17 H20 Cl N3 O
PCP# 28387
Synonyms: triticonazole

2. Hazards Identification

Emergency overview

Contains 1,2-benzisothiazolin-3-one as a preservative.
KEEP OUT OF REACH OF CHILDREN.
WARNING:
CAUSES SKIN IRRITATION.
Causes eye irritation.
Do not get in eyes, on skin, or on clothing.

State of matter: liquid
Colour: opaque
Odour: odourless

Potential health effects

Acute toxicity:
Virtually nontoxic after a single ingestion.

Irritation / corrosion:
May cause slight irritation to the eyes. May cause slight irritation to the skin.

Sensitization:
There is no evidence of a skin-sensitizing potential.

Chronic toxicity:

Repeated dose toxicity: No known chronic effects.

Potential environmental effects

Aquatic toxicity:
Acutely toxic for fish. Acutely toxic for aquatic invertebrates. Acutely toxic for aquatic plants.

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3. Composition / Information on Ingredients

Not WHMIS controlled.

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. Assist in breathing if necessary.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician

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

5. Fire-Fighting Measures

Flash point:	> 97.8 °C	(ASTM D93) No flash point - Measurement made up to the boiling point.
Autoignition:		Based on the water content the product does not ignite.
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.
Self-ignition temperature:		not self-igniting

Suitable extinguishing media:

carbon dioxide, water spray, dry powder, foam

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:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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

Cleanup:

For small amounts: Pick up with suitable absorbent material.
For large amounts: Dike spillage. Pump off product.

7. Handling and Storage

Handling

General advice:

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:

Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

General advice:

Keep away from heat. Protect against moisture. Protect from direct sunlight. Store protected against freezing.

Storage incompatibility:

General advice: Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

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

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.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles).

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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). Take off immediately all 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.

9. Physical and Chemical Properties

Form:	suspension	
Odour:	odourless	
Odour threshold:	No data available.	
Colour:	opaque	
pH value:	approx. 6.8	(1.0 %(m))
Freezing point:	approx. 0 °C	(1,013.3 hPa) Information applies to the solvent.
Boiling point:	approx. 100 °C	(1,013.3 hPa) Information applies to the solvent.
Vapour pressure:	approx. 23.3 hPa	(20 °C) Information applies to the solvent.
Density:	1.054 g/cm ³	(20 °C)
Vapour density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:	0.475 Pa.s	(20 °C)
Molar mass:	317.82 g/mol	

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 oxidizing agents

Hazardous reactions:

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

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

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

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Not an oxidizer.

11. Toxicological information

Acute toxicity

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Oral:

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

Dermal:

Type of value: LD50
Species: rabbit
Value: > 2,000 mg/kg
No mortality was observed.

Irritation / corrosion

Skin:

Species: rabbit
Result: Slightly irritating.

Species: rabbit

Result: Slightly irritating.

Eye:

Species: rabbit
Result: Slightly irritating.

Species: rabbit

Result: moderately irritating

Sensitization:

Species: guinea pig

Species: guinea pig

Result: Non-sensitizing.

Genetic toxicity

Information on: Triticonazole

No mutagenic effect was found in various tests with microorganisms and mammalian cell culture.

Carcinogenicity

Information on: Triticonazole

In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity

Information on: Triticonazole

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Development:

Information on: Triticonazole

Causes developmental effects in animals at high, maternally toxic doses.

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12. Ecological Information

Fish

Information on: Triticonazole

Acute:

EPA 72-1 Flow through.

Oncorhynchus mykiss/LC50 (96 h): > 3.6 mg/l

EPA 72-1 Flow through.

Oncorhynchus mykiss/NOEC (28 d): 0.01 mg/l

Aquatic invertebrates

Information on: Triticonazole

Acute:

static

Mysid shrimp/EC50 (96 h): 1.7 mg/l

Mysid shrimp/No observed effect concentration (28 d): 0.041 mg/l

Aquatic plants

Information on: Triticonazole

Toxicity to aquatic plants:

Skeletonema costatum/EC50 (120 h): 0.31 mg/l

Skeletonema costatum/No observed effect concentration (120 h): 0.031 mg/l

Bioaccumulation

Information on: Triticonazole

Bioconcentration factor 72.55 -----

13. Disposal considerations

Waste disposal of substance:

See product label for disposal and recycling instructions.

14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

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Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

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

crop protection product

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.

16. Other Information

Recommended use: fungicide

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.

SDS Prepared by:
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SDS Prepared on: 2013/04/19

END OF DATA SHEET