

Safety Data Sheet

PREMIS® 200F

Revision date : 2010/08/23

Version: 2.1

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(30276396/SDS_CPA_CA/EN)

1. Product and Company Identification

Use: crop protection product, fungicide

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# 24815
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

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Aquatic toxicity:

Acutely toxic for fish. Acutely toxic for aquatic invertebrates. Acutely toxic for aquatic plants.

Degradation / environmental fate:

Not readily biodegradable (by OECD criteria).

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.

5. Fire-Fighting Measures

Flash point: > 208 °F (ASTM D93) No flash point - Measurement made up to the boiling 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.

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.

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 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.

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).

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).

9. Physical and Chemical Properties

Form:

liquid

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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/cm3	(20 °C)
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:	0.475 Pa.s	
Molar mass:	317.82 g/mol	

10. Stability and Reactivity

Conditions to avoid:

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

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.

Thermal decomposition:

No decomposition 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

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

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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.

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.

Lepomis macrochirus/LC50 (96 h): > 8.9 mg/l

Aquatic invertebrates

Information on: *Triticonazole*

Acute:

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): 9 mg/l

Aquatic plants

Information on: *Triticonazole*

Toxicity to aquatic plants:

other swollen duckweed/EC50 (14 d): 1.1 mg/l

OECD Guideline 201 green algae/EC50 (96 h): > 1 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.

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14. Transport Information

Reference Bill of Lading

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.

MSDS Prepared by:

BASF NA Product Regulations

msds@basf.com

MSDS Prepared on: 2010/08/23

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