

# Safety Data Sheet

## Premis 200 F

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### 1. Identification

#### Product identifier used on the label

## Premis 200 F

#### Recommended use of the chemical and restriction on use

Recommended use\*: crop protection product, fungicide

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Canada Inc.  
5025 Creekbank Road  
Building A, Floor 2  
Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

Molecular formula: C<sub>17</sub> H<sub>20</sub> Cl N<sub>3</sub> O  
PCP # 28387  
Synonyms: triticonazole

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### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

##### Classification of the product

|                 |               |                                                    |
|-----------------|---------------|----------------------------------------------------|
| Repr.           | 2 (fertility) | Reproductive toxicity                              |
| STOT RE         | 2             | Specific target organ toxicity — repeated exposure |
| Aquatic Chronic | 2             | Hazardous to the aquatic environment - chronic     |

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|                 |    |                                              |
|-----------------|----|----------------------------------------------|
| Aquatic Acute   | 2  | Hazardous to the aquatic environment - acute |
| Eye Dam./Irrit. | 2A | Serious eye damage/eye irritation            |

### Label elements

Pictogram:



Signal Word:  
Warning

Hazard Statement:

|      |                                                                                           |
|------|-------------------------------------------------------------------------------------------|
| H319 | Causes serious eye irritation.                                                            |
| H361 | Suspected of damaging fertility.                                                          |
| H373 | May cause damage to organs (Liver, Adrenal gland) through prolonged or repeated exposure. |
| H401 | Toxic to aquatic life.                                                                    |
| H411 | Toxic to aquatic life with long lasting effects.                                          |

Precautionary Statements (Prevention):

|      |                                                                                    |
|------|------------------------------------------------------------------------------------|
| P273 | Avoid release to the environment.                                                  |
| P280 | Wear eye protection.                                                               |
| P280 | Wear protective gloves, protective clothing and eye protection or face protection. |
| P260 | Do not breathe mist or vapour.                                                     |
| P201 | Obtain special instructions before use.                                            |
| P202 | Do not handle until all safety precautions have been read and understood.          |
| P264 | Wash contaminated body parts thoroughly after handling.                            |

Precautionary Statements (Response):

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313        | IF exposed or concerned: Get medical attention.                                                                                  |
| P391               | Collect spillage.                                                                                                                |
| P337 + P313        | If eye irritation persists: Get medical attention.                                                                               |

Precautionary Statements (Storage):

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

Precautionary Statements (Disposal):

|      |                                                                     |
|------|---------------------------------------------------------------------|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---------------------------------------------------------------------|

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### 3. Composition / Information on Ingredients

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Triticonazole

CAS Number: 138182-18-0

Content (W/W): 19.2 %

Synonym: Cyclopentanol, 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)

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### 4. First-Aid Measures

#### Description of 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. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

##### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

##### 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 200-300 ml 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.

#### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

#### Indication of any immediate medical attention and special treatment needed

##### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, carbon dioxide, foam, dry powder

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, halogenated compounds, sulfur oxides, silica compounds, Phosphorus compounds  
The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

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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, protective equipment and emergency procedures

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

### Environmental precautions

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

### Methods and material for containment and cleaning up

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

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary if stored and handled correctly.

### Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight. Store protected against freezing.

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## 8. Exposure Controls/Personal Protection

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

No occupational exposure limits known.

### 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.

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**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. 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.

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## 9. Physical and Chemical Properties

|                                                     |                                                                                                                                                                                                        |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form:                                               | liquid                                                                                                                                                                                                 |
| Odour:                                              | odourless                                                                                                                                                                                              |
| Odour threshold:                                    | not applicable, odour not perceivable                                                                                                                                                                  |
| Colour:                                             | opaque                                                                                                                                                                                                 |
| pH value:                                           | approx. 6 - 8<br>(approx. 1.0 %(m), approx. 25 °C)                                                                                                                                                     |
| Freezing point:                                     | approx. 0 °C<br>( 1,013.3 hPa)<br>Information applies to the solvent.                                                                                                                                  |
| Boiling point:                                      | approx. 97.8 °C                                                                                                                                                                                        |
| Flash point:                                        | No flash point - Measurement made (ASTM D93)<br>up to the boiling point.                                                                                                                               |
| Flammability:                                       | not applicable                                                                                                                                                                                         |
| 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. |
| Autoignition:                                       | Based on the water content the product does not ignite.                                                                                                                                                |
| Vapour pressure:                                    | approx. 23.3 hPa<br>( 20 °C)<br>Information applies to the solvent.                                                                                                                                    |
| Density:                                            | approx. 1.06 g/cm <sup>3</sup><br>( 25 °C)                                                                                                                                                             |
| Vapour density:                                     | not applicable                                                                                                                                                                                         |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable                                                                                                                                                                                         |

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|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| Thermal decomposition: | No decomposition if stored and handled as prescribed/indicated.                                   |
| Viscosity, dynamic:    | 475 mPa.s<br>( 23 °C)                                                                             |
| Solubility in water:   | dispersible                                                                                       |
| Evaporation rate:      | not applicable                                                                                    |
| Other Information:     | If necessary, information on other physical and chemical parameters is indicated in this section. |

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## 10. Stability and Reactivity

### Reactivity

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

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

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

### 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.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

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.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

#### Oral

Type of value: LD50

Species: rat

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Value: > 2,000 mg/kg

### Inhalation

Type of value: LC50  
Species: rat  
Value: > 5.61 mg/l  
Exposure time: 4 h  
An aerosol was tested.  
No mortality was observed.

### Dermal

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

### Assessment other acute effects

Assessment of STOT single:  
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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

### Irritation / corrosion

Assessment of irritating effects: May cause slight irritation to the eyes. May cause slight irritation to the skin.

### Skin

Species: rabbit  
Result: non-irritant

### Eye

Species: rabbit  
Result: non-irritant

### Sensitization

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

Species: guinea pig  
Result: Non-sensitizing.

### Aspiration Hazard

No aspiration hazard expected. The product has not been tested. The statement has been derived from the properties of the individual components.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No known chronic effects.

### *Information on: Triticonazole*

*Assessment of repeated dose toxicity: No known chronic effects.  
Repeated exposure may affect certain organs.*

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### Genetic toxicity

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Assessment of mutagenicity: Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

### Carcinogenicity

Assessment of carcinogenicity: The results of various animal studies gave no indication of a carcinogenic effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### Reproductive toxicity

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

### *Information on: Triticonazole*

*Assessment of reproduction toxicity: The potential to impair fertility cannot be excluded when given at maternally toxic doses.*

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### Teratogenicity

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

### *Information on: Triticonazole*

*Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.*

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### Other Information

Misuse can be harmful to health.

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## 12. Ecological Information

### **Toxicity**

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, Cyprinus carpio

#### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna

#### Aquatic plants

EC50 (72 h) > 100 mg/l (growth rate), Pseudokirchneriella subcapitata

EC10 (72 h) 72.17 mg/l (growth rate), Pseudokirchneriella subcapitata

No observed effect concentration (72 h) 25 mg/l (growth rate), Pseudokirchneriella subcapitata

#### Chronic toxicity to fish

##### *Information on: Triticonazole*

*No observed effect concentration (28 d) 0.01 mg/l, Oncorhynchus mykiss*

*No observed effect concentration (175 d) 0.0114 mg/l, Pimephales promelas*

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#### Chronic toxicity to aquatic invertebrates

*Information on: Triticonazole*



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*No observed effect concentration (28 d) 0.041 mg/l, Mysidopsis bahia*  
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### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

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

#### Assessment biodegradation and elimination (H2O)

*Information on: Triticonazole*

*Not readily biodegradable (by OECD criteria).*  
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### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

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

#### Bioaccumulation potential

*Information on: Triticonazole*

*Bioconcentration factor: 72.55 (42 d), Lepomis macrochirus*  
*Does not accumulate in organisms.*  
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### **Mobility in soil**

#### Assessment transport between environmental compartments

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

*Information on: Triticonazole*

*Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.*  
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### **Additional information**

Other ecotoxicological advice:

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.

### **Container disposal:**

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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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 TRITICONAZOLE)

#### Air transport

IATA/ICAO

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 TRITICONAZOLE)

#### Further information

Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1. This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

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### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Crop Protection DSL, CA released / exempt

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

#### **Labeling requirements under Pest Control Products Act**

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:

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Skin Irritant  
Eye irritant.  
KEEP OUT OF REACH OF CHILDREN.  
Do not get in eyes.  
Wash thoroughly after handling.  
Avoid contact with the skin, eyes and clothing.

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There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

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### 16. Other Information

**SDS Prepared by:**  
BASF NA Product Regulations  
SDS Prepared on: 2022/03/29

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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END OF DATA SHEET