

# Safety Data Sheet

## INSURE CEREAL

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(30561422/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 # 30684 / 30685

Synonyms:

Pyraclostrobin + Triticonazole + Metalaxyl

### 2. Hazards Identification

Emergency overview

Contains 1,2-benzisothiazolin-3-one as a preservative.  
Contains 2-methyl-4-isothiazolin-3-one as a preservative.  
Contains the allergen soy.  
Potential skin sensitizer.  
KEEP OUT OF REACH OF CHILDREN.

State of matter: liquid

Colour: red

Odour: faint odour, sweetish

Potential health effects**Acute toxicity:**

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

**Irritation / corrosion:**

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

**Sensitization:**

Caused skin sensitization in animal studies.

**Signs and symptoms of overexposure:**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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.

**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:**

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Have person sip a glass of water if able to swallow.

**Note to physician**

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

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### 5. Fire-Fighting Measures

Flash point: No flash point - Measurement made up to the boiling point.

Autoignition: 409 °C

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:**

foam, dry powder, carbon dioxide, water spray

**Hazards during fire-fighting:**

carbon monoxide, carbon dioxide, nitrogen oxides

If product is heated above decomposition temperature, toxic vapours will be released. The substances/groups of substances mentioned can be released in case of fire.

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### **Protective equipment for fire-fighting:**

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

### **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:**

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### **Environmental precautions:**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

### **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.

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## 7. Handling and Storage

### **Handling**

#### **General advice:**

Handle in accordance with good industrial hygiene and safety practice. No special measures necessary if stored and handled correctly.

#### **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. The authority permits and storage regulations must be observed.

#### **Storage incompatibility:**

General advice: Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

#### **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.

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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.**

**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) organic vapour/particulate respirator. 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). 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:	faint odour, sweetish	
Odour threshold:	No data available.	
Colour:	red	
pH value:	6.8	
Boiling point:	100 °C	
Density:	1.071 g/cm <sup>3</sup>	( 20 °C)
Vapour density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:		not determined
Solubility in water:		dispersible

### 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.

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### Substances to avoid:

strong acids, strong bases, strong oxidizing agents

### Hazardous reactions:

The product is chemically stable.

Hazardous polymerization will not occur. 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.

### Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide

Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.

### Oxidizing properties:

Not an oxidizer.

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## 11. Toxicological information

### Acute toxicity

#### Oral:

Type of value: LD50

Species: rat (female)

Value: > 2,000 mg/kg

#### Inhalation:

Type of value: LC50

Species: rat (male/female)

Value: > 5.8 mg/l

Exposure time: 4 h

#### Dermal:

Type of value: LD50

Species: rat (male/female)

Value: > 5,000 mg/kg

### Irritation / corrosion

#### Skin:

Species: rabbit

Result: non-irritant

#### Eye:

Species: rabbit

Result: non-irritant

#### Sensitization:

Mouse Local Lymph Node Assay (LLNA)

Species: mouse

Result: sensitizing

### Genetic toxicity

*Information on: Pyraclostrobin*

*No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The substance was not mutagenic in a test with mammals.*

*Information on: Triticonazole*

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*No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The substance was not mutagenic in a test with mammals.*

*Information on: metalaxyl*  
*No mutagenic effects reported.*

### **Carcinogenicity**

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

*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.*

*Information on: metalaxyl*  
*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: Pyraclostrobin*  
*The results of animal studies gave no indication of a fertility impairing effect.*

*Information on: Triticonazole*  
*Animal studies gave no indication of a fertility impairing effect at doses which were not toxic to the parental animals.*

*Information on: metalaxyl*  
*The results of animal studies gave no indication of a fertility impairing effect.*

### **Development:**

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

*Information on: Triticonazole*  
*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.*

*Information on: metalaxyl*  
*Causes developmental effects in animals at high, maternally toxic doses.*

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## **12. Ecological Information**

### **Fish**

*Information on: Pyraclostrobin*

*Acute:*

*OPP 72-1 (EPA-Guideline) static*

*Cyprinus carpio/LC50 (96 h): > 0.0121 - < 0.0258 mg/l*

*EPA 72-1 static*

*Lepomis macrochirus/LC50 (96 h): > 0.0131 - < 0.0299 mg/l*

*The statement of the toxic effect relates to the analytically determined concentration.*

*EPA 72-1 Flow through.*

*Oncorhynchus mykiss/LC50 (96 h): 0.00616 mg/l*

*Information on: Triticonazole*

*Acute:*

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

*Information on: metalaxyl*

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Acute:  
*Oncorhynchus mykiss*/LC50 (96 h): > 100 mg/l  
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### Aquatic invertebrates

Information on: Pyraclostrobin  
Acute:  
OECD Guideline 202, part 1 static  
*Daphnia magna*/EC50 (48 h): 0.016 mg/l

Information on: Triticonazole  
Acute:  
*Daphnia magna*/EC50 (48 h): 9.0 mg/l

Information on: metalaxyl  
Acute:  
*Daphnia magna*/LC50: 29 mg/l  
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### Aquatic plants

Information on: Pyraclostrobin  
Toxicity to aquatic plants:  
OECD Guideline 201 green algae/EC50 (96 h): > 0.843 mg/l

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

Information on: metalaxyl  
Toxicity to aquatic plants:  
Algae/EC50: 1 mg/l = 140 ppm  
Common duckweed/EC50: 92 ppm  
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## 13. Disposal considerations

### Waste disposal of substance:

Must be disposed of or incinerated in accordance with local regulations.

### 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

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ID number: UN 3082  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains 1,2-PROPYLENEGLYCOL)

### 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 1,2-PROPYLENEGLYCOL)

## 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.**

## 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:

BASF NA Product Regulations

BASF HOTLINE (800) 454 – COPE (2673)

SDS Prepared on: 2014/03/14

END OF DATA SHEET