

# Safety Data Sheet

## PYRAMIN FL IA

Revision date : 2012/06/29  
Version: 3.0

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(30056448/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#15857

### 2. Hazards Identification

Emergency overview

CAUTION:  
POISON.  
Contains 1,2-benzisothiazolin-3-one as a preservative.  
Contains 2-methyl-4-isothiazolin-3-one as a preservative.  
Contains the allergen soy.  
KEEP OUT OF REACH OF CHILDREN.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
Avoid contact with the skin, eyes and clothing.  
Avoid inhalation of dusts/mists/vapours.

State of matter: liquid  
Colour: beige  
Odour: faint specific odour, aromatic

Potential health effects

**Acute toxicity:**

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

**Irritation / corrosion:**

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

**Sensitization:**

May cause sensitization by skin contact.

**Chronic toxicity:**

**Repeated dose toxicity:** No known chronic effects.

Potential environmental effects

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### **Aquatic toxicity:**

The product has not been tested. The statement has been derived from the properties of the individual components. Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### **Degradation / environmental fate:**

Not readily biodegradable (by OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components.

### **Bioaccumulation / bioconcentration:**

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

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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:**

Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

### **If on skin:**

Wash affected areas thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

### **If in eyes:**

Hold eyelids open to facilitate rinsing. Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

### **If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

### **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:	> 100 °C	(Directive 92/69/EEC, A.9) No flash point - Measurement made up to the boiling point.
Autoignition:	610 °C	(Directive 92/69/EEC, A.15)
Lower explosion limit:		not determined
Upper explosion limit:		not determined
Flammability:	does not ignite	(Directive 92/69/EEC, A.12)

### **Suitable extinguishing media:**

water spray, foam, dry powder, carbon dioxide

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### **Hazards during fire-fighting:**

carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, organochloric compounds  
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:**

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. 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. Do not breathe vapour/spray.

### **Environmental precautions:**

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

### **Cleanup:**

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

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.

#### **Protection against fire and explosion:**

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

### **Storage**

#### **General advice:**

Keep away from heat. Protect from direct sunlight.

#### **Storage incompatibility:**

General advice: Segregate from foods and animal feeds.

#### **Temperature tolerance**

Protect from temperatures below: -5 °C

The product can crystallize below the limit temperature.

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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### Personal protective equipment

#### **Respiratory protection:**

Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

Safety glasses with side-shields.

#### **Body protection:**

Full-body protective clothing

#### **General safety and hygiene measures:**

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Wash soiled clothing immediately.

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## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	faint specific odour, aromatic	
Odour threshold:	No data available.	
Colour:	beige	
pH value:	approx. 6 - 8	( 20 °C) (measured with the undiluted substance)
crystallization temperature:	approx. -4.6 °C	
onset of boiling:	100 °C	Information applies to the solvent.
Vapour pressure:	approx. 23 hPa	( 20 °C) Information applies to the solvent.
Density:	approx. 1.18 g/cm <sup>3</sup>	( 20 °C)
Bulk density:		dropped
Vapour density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:	approx. 38 mPa.s	( 20 °C) (OECD 114)
Solubility in water:		dispersible

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## 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 bases, strong acids, 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:**

not determined

#### **Oxidizing properties:**

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

### 11. Toxicological information

#### Acute toxicity

##### Oral:

Type of value: LD50  
Species: rat (female)  
Value: approx. 2,000 mg/kg (OECD Guideline 423)

##### Inhalation:

Type of value: LC50  
Species: rat (male/female)  
Value: > 3.86 mg/l (OECD Guideline 403)  
Exposure time: 4 h  
An aerosol was tested.  
Highest concentration available for testing.

##### Dermal:

Type of value: LD50  
Species: rat (male/female)  
Value: > 4,000 mg/kg (OECD Guideline 402)

#### Irritation / corrosion

##### Skin:

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 404

##### Eye:

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 405

##### Sensitization:

Guinea pig maximization test  
Species: guinea pig  
Result: Caused skin sensitization in animal studies.  
Method: OECD Guideline 406

#### Genetic toxicity

*Information on: chloridazon*  
*No mutagenic effect was found in various tests with microorganisms and mammals.*

#### Carcinogenicity

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

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### Development:

*Information on: chloridazon*

*No indications of a developmental toxic / teratogenic effect were seen in animal studies.*

### Other Information:

Misuse can be harmful to health.

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## 12. Ecological Information

### Fish

*Information on: chloridazon*

*Acute:*

*Oncorhynchus mykiss/LC50 (96 h): > 32 - < 46 mg/l*

*Oncorhynchus mykiss/NOEC (28 d): 3.16 mg/l*

### Aquatic invertebrates

*Information on: chloridazon*

*Acute:*

*Daphnia magna/EC50 (48 h): 131.95 mg/l*

### Aquatic plants

*Information on: chloridazon*

*Toxicity to aquatic plants:*

*green algae/EC50 (72 h): 2.39 mg/l*

*swollen duckweed/EC50 (7 d): > 3.13 mg/l*

### Other adverse effects:

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.

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## 14. Transport Information

### Land transport

TDG

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 CHLORIDAZON 37%)

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### 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 CHLORIDAZON 37%)

### 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 CHLORIDAZON 37%)

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Crop Protection DSL, CA released / listed

Chemical DSL, CA released; restriction on quantity / not 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.**

## 16. Other Information

Recommended use: herbicide

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  
BASF HOTLINE (800) 454 – COPE (2673)  
MSDS Prepared on: 2012/06/29

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