



### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name** PONCHO 600 FS  
**Chemical Name**  
**Common Name**  
**MSDS Number** 2195  
**Chemical Family**  
**Chemical Formulation**  
**PCP Registration No.** 27453

Bayer CropScience  
 #100 - 3131 - 114th Avenue SE  
 Calgary, AB T2Z 3X2  
 Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Clothianidin	210880-92-5	>= 47.0000	<= 49.0000

### SECTION 3. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

**Emergency Overview** Keep away from food and drink. Keep away from domestic animals.

**Physical State** Liquid

**Odor** Slight

**Appearance** White to off-white

**Immediate Effects**

**Eye** Do not get in eyes. Irritant

**Skin** Wash hands thoroughly with soap and water after handling.

**Ingestion** Harmful if swallowed.

**Inhalation** Harmful if inhaled.

**Chronic or Delayed Long-Term** Prolonged contact can cause liver damage, kidney damage.

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**Target Organs** Eyes, Respiratory system, Skin, Kidney, Liver, Stomach

## SECTION 4. FIRST AID MEASURES

### General

**Eye** Hold eye open and rinse slowly and gently with water for 15-20 minutes. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.

**Skin** Remove contaminated clothing and shoes. Rinse immediately with plenty of water for at least 15 minutes. Get medical attention immediately if irritation persists.

**Ingestion** Call a physician or Poison Control Center immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended. If person is unconscious or convulsing, do not give anything by mouth and do not induce vomiting.

**Inhalation** In case of inhalation, remove the victim from contaminated atmosphere without exposing yourself. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.

### Notes to Physician

**Treatment** Treat symptomatically. There is no antidote.

## SECTION 5. FIRE FIGHTING MEASURES

**Flash Point** > 100 °C / > 212 °F

**Fire and Explosion Hazards** Smoke and fumes are extremely irritating to eyes, nose, throat and lungs.

**Suitable Extinguishing Media** Water, Foam, Carbon dioxide (CO2), Dry chemical

**Fire Fighting Instructions** In the event of fire, wear self-contained breathing apparatus. Isolate hazard area. Prevent use of contaminated buildings, area, and equipment until decontaminated.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**General and Disposal** Isolate hazard area. Keep unnecessary people away, isolate hazard area and deny entry. Notify the appropriate authorities immediately. Avoid contact with spilled product or contaminated surfaces. Personnel handling this material should be thoroughly trained to handle spills and releases. Dike area to prevent runoff. Take up with absorbent material (e.g. sand, earth or a proprietary

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absorbent material). Do not allow spilt product to enter soil or waterways. Clean thoroughly soiled objects and floor under observation of the environmental regulations with water based caustic soda or soda solution and finally with Tensides. In case of spill, leak or emergency, use chemical cartridge-type respirator approved by the National Occupational Health and Safety. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). If the product contaminates rivers and lakes or drains inform respective authorities. Clean with detergents. Avoid solvents. Soak up with inert absorbent material. Stay upwind if possible. Keep tightly closed in a dry, cool and well-ventilated place.

### SECTION 7. HANDLING AND STORAGE

<b>Handling Procedures</b>	Keep out of reach of children and domestic animals. Food utensils such as teaspoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate water sources, food or feedstuffs when disposing of left-over material. Do not use on humans, household pests, or livestock. Do not contaminate ornamental fish ponds. Do not get in eyes or on clothing.
<b>Storing Procedures</b>	Keep away from living quarters. Handle and open container with care. Store in an area away from food, feedstuffs, fertilizers and seed. Store in a cool, well-ventilated area away from excessive heat, oxidizers and acids.
<b>Min/Max Storage Temperatures</b>	Do not transport or store below 12 °C / 54 °F Do not transport or store above 35 °C / 95 °F

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls</b>	Use only in well-ventilated areas.
<b>Eye/Face Protection</b>	Safety glasses with side-shields. Chemical resistant goggles must be worn.
<b>Hand Protection</b>	Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton)
<b>Body Protection</b>	Consideration must be given both to durability as well as permeation resistance. Long-sleeved shirt and long pants.
<b>Respiratory Protection</b>	Under normal conditions, in the absence of other airborne contaminants, the following should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridge/canister approved for use against dusts, mists and fumes, pesticides.

#### Exposure Limits

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White to off-white
<b>Physical State</b>	Liquid

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Odor	Slight
pH	5 - 9
Density	1.263 g/cm <sup>3</sup>
Water Solubility	Miscible

### SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Incompatibility	Oxidizing agents

### SECTION 11. TOXICOLOGICAL INFORMATION

In chronic toxicity studies using rats, mice and dogs, the principal target organs were the glandular stomach, kidney, ovary and liver.

Acute Oral Toxicity	Rat: LD50: > 500 mg/kg
	Rat: LD50: < 1,000 mg/kg

#### Acute Dermal Toxicity

Rat: LD50: > 4,000 mg/kg

Acute Inhalation Toxicity	Rat: LC50: > 10.5 mg/l 4 h
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Skin Irritation	Rabbit: No skin irritation
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Eye Irritation	Rabbit: No eye irritation
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Sensitization	Guinea pig: Did not cause sensitization on laboratory animals.
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#### Assessment Carcinogenicity

Did not show carcinogenic or teratogenic effects in animal experiments.

#### ACGIH

None

#### NTP

None

#### IARC

None

#### OSHA

None

#### Neurotoxicity

In an acute oral gavage neurotoxicity screening study in rats, clothianidin produced transient neurobehavioral effects without correlating neuropathologic alterations. In a subchronic dietary neurotoxicity screening study, clothianidin did not produce neurotoxicity in any treated rats. In one generation developmental neurotoxicity study in rats, clothianidin produced transient neurobehavioral changes without correlating neuropathologic alterations. Clothianidin was not a

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primary neurotoxicant.

**Teratogenicity** Did not show teratogenic effects in animal experiments.

**Mutagenicity** Did not show mutagenic effects in animal experiments.

### SECTION 12. ECOLOGICAL INFORMATION

**Environmental Precautions** Do not allow this product to drift on to non-target areas. Avoid direct application or spray drift to water surfaces. Do not apply when weather conditions favor runoff or drift. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

**Ecological Information** It is slightly toxic to freshwater fish and aquatic invertebrates, and slightly to moderately toxic to marine estuarine organisms.

### SECTION 13. DISPOSAL CONSIDERATIONS

**General Disposal Guidance** Do not flush into surface water or sanitary sewer system. Empty remaining contents. Any disposal practice must be in compliance with all Federal, State/provincial, and local laws and regulations.

#### RCRA Classification

### SECTION 14. TRANSPORT INFORMATION

TDG Canada: Not Regulated.

### SECTION 15. REGULATORY INFORMATION

**PCP Registration No.** 27453

#### US Federal Regulations

**TSCA list**

None

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None

**SARA Title III - section 302 - notification and information**

None

**SARA Title III - section 313 - toxic chemical release reporting**

None

#### US States Regulatory Reporting

**CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

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### US State right-to-know ingredients

None

### Canadian Regulations

#### Canadian Domestic Substance List

None

### Environmental

#### CERCLA

None

#### Clean Water Section 307 Priority Pollutants

None

#### Safe Drinking Water Act Maximum Contaminant Levels

None

### International Regulations

#### EU Classification

None

#### European Inventory of Existing Commercial Substances (EINECS)

None

## SECTION 16. OTHER INFORMATION

Prepared by the Bayer CropScience Inc. HSE Department (306)-721-0310.

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