

**1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: IPCO Clomazone Herbicide  
Pest Control Product Number: 33910  
Product Use: Agrochemicals/Herbicide  
Manufacturer/Supplier: INTERPROVINCIAL COOPERATIVE LTD.  
945 Marion St.  
Winnipeg, Manitoba  
R2J 0K7  
[www.ipco.ca](http://www.ipco.ca)  
Effective Date: 29/10/2020  
This product is regulated under authority of the Pest Control Products Act

**2: HAZARD IDENTIFICATION**

Acute toxicity -Inhalation (Dusts/Mists) GHS classification in accordance with 29 CFR 1910.1200: Category 4  
Skin sensitization Category 1B

Pictograms:



Signal word: Warning  
Hazard statements: May cause an allergic skin reaction. Harmful if inhaled.  
Precautionary statement: Prevention:  
Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves  
Response:  
Specific treatment (see supplemental first aid instructions on label).  
IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.  
Disposal:  
Dispose of contents/container to an approved waste disposal plant.  
Other hazards: No hazards not otherwise classified were identified.  
Other information: Very toxic to aquatic life with long lasting effects.

**3: COMPOSITION AND INFORMATION ON INGREDIENTS****Chemical Family:** Triazolinones

COMPONENT	CAS NUMBER	%(W/W)
Clomazone	81777-89-1	31%
Sodium Nitrate	7631-99-4	1-5%
Calcium chloride	10043-52-4	1-5%
1,6-hexanediamine (70%)	124-09-4	1-5%

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The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4: FIRST AID MEASURES

Eye Contact:	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin Contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
Inhalation:	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed:	Symptoms of overexposure include decreased activity, tearing eyes, bleeding from the nose and incoordination.
Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

#### 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide (CO <sub>2</sub> ), Water spray, Foam, Dry chemical.
Specific hazards arising from the chemical:	Not flammable.
Explosion data:	Sensitivity to Mechanical Impact: Not sensitive. Sensitivity to Static Discharge: Not sensitive.
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective suit.

#### 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
Environmental precautions:	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.
Methods for containment:	Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up:	Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

#### 7: HANDLING AND STORAGE

Handling:	Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.
Storage:	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.
Incompatible products:	None known

#### 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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Control parameters:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
1,6-hexanediamine (70%) (124-09-4)	TWA: 0.5 ppm	-	-	-
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Calcium chloride (10043-52-4)	-	-	TWA: 5 mg/m <sup>3</sup>	-
1,6-hexanediamine (70%) (124-09-4)	TWA: 0.5 ppm	TWA: 0.5 ppm TWA: 2.3 mg/m <sup>3</sup>	TWA: 0.5 ppm	TWA: 0.5 ppm TWA: 2.4 mg/m <sup>3</sup>

Appropriate engineering controls:

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal protective equipment:

Eye/Face protection:

For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and body protection:

Wear long-sleeved shirt, long pants, socks, and shoes.

Hand protection:

Protective gloves

Respiratory protection:

For dust, splash, mist or spray exposures wear a filtering mask.

Hygiene measures:

Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

General information:

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Brown liquid
Physical State:	Liquid
Color:	Brown
Odor:	Slight Aromatic
Odor threshold:	No data available
pH:	6.5 @ 20 °C
Melting point:	Not applicable
Freezing point:	Not applicable
Boiling point:	No data available
Flash point:	>94°C / >201 °F Closed cup
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Flammability Limit in Air	
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapour pressure:	No data available

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Vapour density:	No data available
Density:	9.59 lb/gal
Specific Gravity:	No data available
Water Solubility:	Dispersible in water
Solubility in other solvents:	No data available
Partition coefficient:	No data available
Auto ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Molecular weight	No data available
Bulk density	No data available

**10: STABILITY AND REACTIVITY**

Reactivity:	Not applicable
Chemical Stability:	Stable.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Heat, flames and sparks.
Incompatible Materials:	None known.
Hazardous decomposition products:	Carbon oxides (COx), nitrogen oxides (NOx), chlorine, hydrogen chloride.

**11: TOXICOLOGICAL INFORMATION**

LD50 Oral:	>5000 mg/kg (rat)
LD50 Dermal:	> 5000 mg/kg (rabbit)
LC50 Inhalation:	3.86 mg/L 4 hr (rat)- Maximum attainable concentration (zero mortality)
Serious eye damage/eye irritation:	Non-irritating.
Skin corrosion/irritation:	Non-irritating.
Sensitization:	Non-sensitizing
Symptoms:	Large dosages of clomazone ingested by laboratory animals produced signs of toxicity including ataxia, decreased activity, oral discharge, lacrimation, bloody tears, and nasal discharge.
Chronic toxicity:	Clomazone: Long-term exposure caused slight liver weight increase and hepatocyte enlargement in animal studies.
Mutagenicity:	Clomazone: Not genotoxic in animal studies.
Carcinogenicity:	Clomazone: No evidence of carcinogenicity from animal studies.
Neurological effects:	Clomazone: Not neurotoxic.
Reproductive toxicity:	Clomazone: No toxicity to reproduction in animal studies.
Developmental toxicity:	Clomazone: Not teratogenic in animal studies.
STOT - single exposure:	None under normal use conditions.
STOT - repeated exposure:	None under normal use conditions.
Target organ effects:	Clomazone: Liver
Aspiration hazard:	No data available

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Chemical name	ACGIH	IARC	NTP	OSHA
Sodium Nitrate 7631-99-4		Group 2A		

Legend:

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

## 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Chemical name	Duration	Species	Value
Clomazone	72h EC50	Algae	0.136 mg/L
	48h EC50	Crustacea	12.7 mg/L
	96h LC50	Fish	15.5 mg/L
	21d NOEC	Fish	2.3 mg/L
	21d NOEC	Crustacea	2.2 mg/L
	96h NOEC	Algae	0.05 mg/L

Persistence and degradability: Clomazone: Moderately persistent. Does not readily hydrolyze. Not readily biodegradable.

Bioaccumulation: Clomazone: The substance does not have a potential for bioconcentration.

Mobility: Clomazone: Moderately mobile, has some potential to reach groundwater.

## 13: DISPOSAL CONSIDERATIONS

Waste disposal methods: Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated packaging: Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

## 14: TRANSPORT INFORMATION

**DOT:** This material is not a hazardous material as defined by U.S. Department of Transportation at 49 CFR Parts 100 through 185.

**TDG:** Not regulated.

**IMDG** (Transport by sea): Not regulated.

**ICAO/IATA** (Transport by air): Not regulated.

## 15: REGULATORY INFORMATION

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard: Yes

Chronic health hazard: Yes

Fire hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

### Clean Water Act

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This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb 454 kg			X
Acetic Acid 64-19-7	5000 lb			X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium Hydroxide 1310-73-2	1000 lb 454 kg	
Acetic Acid 64-19-7	5000 lb 2270 kg	

**FIFRA Information**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**International Inventories**

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Clomazone 81777-89-1					X	X		
Sodium Nitrate 7631-99-4	X	X	X		X	X	X	X
Calcium chloride 10043-52-4	X	X	X	X	X	X	X	X
1,6-hexanediamine (70%) 124-09-4	X	X	X	X	X	X	X	X
Cumene 98-82-8	X	X	X	X	X	X	X	X

**Mexico – Grade** Moderate risk, Grade 2

Chemical name	Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use -Threshold Quantities	Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities
Methylene diphenyl diisocyanate (polymeric)	100 5000 kg/yr	100 kg/yr

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**WHMIS Statement**

This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**WHMIS Hazard Class** D2B - Toxic materials

**16: OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Special Hazards -</b>
<b>WHMIS</b>	<b>Health Hazards 2*</b>	<b>Flammability 1</b>	<b>Physical hazard 0</b>	<b>Personal Protection X</b>

*\*Indicates a chronic health hazard.*

**NFPA/WHMIS Ratings Legend** Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision Date/Reason: October 29, 2020/ New SDS

Notice: The enclosed information is supplied as a customer service and is provided in good faith. Although it has been based on data drawn from sources deemed to be reliable, Interprovincial Cooperative Limited cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.

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