



1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: IPCO Radian
 Pest Control Product Number: 34409
 Product Use: Agrochemicals/Herbicide
 Manufacturer /Supplier: INTERPROVINCIAL COOPERATIVE LTD.
 945 Marion St.
 Winnipeg, Manitoba
 R2J 0K7
www.ipco.ca
 Effective Date: 15/08/2022
 This product is regulated under authority of the Pest Control Products Act

2: HAZARD IDENTIFICATION

Classified according to UN GHS Version 5.
 Not classified as hazardous under the GHS criteria.

Precautionary statement: Caution Poison
 Warning Eye Irritant
 Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. May irritate eyes.
 Keep out of reach of children.
 Read the label before use.

3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% (W/W)
Imazamox (present as ammonium salt)	114311-32-9	30.8-32.8%

Other ingredients are considered non-hazardous.

4: FIRST AID MEASURES

Eye Contact: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Ingestion: Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

General advice: Take container, label or product name and Pest Control Product Registration Number with you, when seeking medical attention.

5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.			
Special Fire Fighting Procedure:	Breathable air apparatus should be worn when fighting a fire in which this product is involved. STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.			
Flash Point:	>100.2 C			
Conditions of Flammability:	Considered low risk due to water content.			
Hazardous Decomposition Materials (Under fire conditions):	If involved in a fire, the dehydrated components may emit oxides of carbon and oxides of nitrogen.			
National Fire Protection Association (NFPA) Hazard Rating:	Health: 1	Flammability: 0	Reactivity: 0	
	Hazards Scale: 0 = Minimal	1 = Slight	2 = Moderate	3 = Serious 4 = Severe

6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Dispose of at a landfill in accordance with local regulations.
Personal precautions:	For appropriate personal protective equipment (PPE), refer to Section 8.
Environmental precautions:	This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

7: HANDLING AND STORAGE

Handling:	Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing/loading, clean-up and repair activities. Gloves are not required during application within a closed cab.
Storage:	Store above 5° C in original, tightly closed container. Store this product away from food or feed. Store in cool, dry, locked, well-ventilated area without floor drain. Keep from freezing.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls:	Use only outdoors or in a well-ventilated area.
Personal protective equipment:	Loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing/loading, clean-up and repair activities. Gloves are not required during application within a closed cab.
Exposure Guidelines:	No exposure standards have been set for this product or the active ingredient.

9: PHYSICAL AND CHEMICAL PROPERTIES

NOTE: Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

Appearance:	Dark amber/brown liquid
Odor:	Glue-like
Odor threshold:	No data available
pH:	5.49 (1% w/w dilution)

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Melting point:	Not applicable
Freezing point:	Not applicable
Boiling point:	No data available
Flash point:	>100.2 C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	Not volatile
Vapour density:	No data available
Relative Density:	1.098
Solubility (ies):	Soluble in water
Partition coefficient:	logP = -1.03 @ pH 5 (imazamox)
Auto ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	9.0 cSt @ 20C; 4.3 cSt @ 40C

10: STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical Stability:	Stable under normal handling and storage conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Incompatible Materials:	Avoid contact with strong oxidizing agents. Non-corrosive to stainless steel, polyethylene and plastics.

11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, ingestion, skin and eye contact.
Acute Toxicity LD50 Oral:	>5000 mg/kg for imazamox (rat)
Acute Toxicity LD50 Dermal:	>2000 mg/kg for imazamox (rat)
Acute Toxicity LC50 Inhalation:	(4hr) >6.3 mg/l for imazamox (rat)
Ingestion:	The concentrate is of low toxicity if swallowed
Inhalation:	The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.
Skin:	May irritate the skin.
Eye:	May irritate the eyes.
Skin Sensitization:	Product is not a skin sensitizer.
Mutagenicity:	Data indicates no mutagenic effects.
Carcinogenicity:	Not listed as a suspected carcinogen.
Developmental toxicity:	MCPA studies in laboratory animals have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals. Fluroxypyridid did not cause birth defects in animals; other effects were seen in the fetus only at doses which caused toxic effects in the mother. Clopyralid caused birth defects in test animals, but only at exaggerated doses that were severely toxic to the mother. No birth defects were observed in animals given clopyralid at doses several times greater than those expected during normal exposure.
Reproductive Toxicity:	Data indicates no reproductive effects.

12: ECOLOGICAL INFORMATION

Aquatic Invertebrate:	48-Hour EC50 (mg/L) >86.6 (Daphnia) (similar product)
Fish:	96-Hour LC50 (mg/L) >82 (Rainbow Trout) for a similar product

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Birds: Not toxic to birds. LD50 for bobwhite quail is >1846 mg/kg
 Bees: Not toxic to bees. LD50 >25 µg/bee

13: DISPOSAL CONSIDERATIONS

Container Handling and Disposal: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Disposal should be made in accordance with federal, provincial, and local regulations.

Do not reuse container for any purpose. If applicable, return container in accordance with return program. If a recyclable container, dispose of at a container collection site. Contact local distributor, dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site, triple or pressure rinse the empty container adding rinsings to spray tank and make container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14: TRANSPORT INFORMATION

Canadian TDG Description (Road & Rail): Not regulated.

United States:

DOT Description: Compound weed killing, liquid, not DOT regulated

IMDG (Transport by sea): Not regulated.

IATA (Transport by air): Not regulated.

15: REGULATORY INFORMATION

Pest Control Products Act Registration Number: 34409

Read the approved 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. Following is the hazard information required on the pest control product label:



POISON
WARNING EYE IRRITANT

WHMIS exempt.

16: OTHER INFORMATION

Revision Date/Reason: August 15, 2022/ 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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