

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: IPCO GraminX[®] Complete
Pest Control Product Number: 34933
Product Use: Agrochemicals/Herbicide
Manufacturer /Supplier: INTERPROVINCIAL COOPERATIVE LTD.
945 Marion St.
Winnipeg, Manitoba
R2J 0K7
www.ipco.ca
Effective Date: 01/09/2023
This product is regulated under authority of the Pest Control Products Act

2: HAZARD IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200:

Pictograms:



Signal word: WARNING
Hazard statements: CAUSES SKIN IRRITATION
Precautionary statement: Prevention: Wear protective gloves/protective clothing/eye protection/face protection
Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace.
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Disposal: Dispose of contents/container to an approved waste disposal plant.

Other hazards: MAY BE HARMFUL IF SWALLOWED
Toxic to aquatic life

3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% (W/W)
Clethodim	99129-21-2	13.57%
Hydrocarbons, C10-C13, aromatics	64742-94-5	8.27%

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

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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 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Call a poison control center 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 mouth-to-mouth if possible.
Ingestion:	Call a physician or poison control center immediately. Clean mouth with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed:	No data available.
Indication of any immediate medical attention and special treatment needed:	Contains a petroleum distillate - vomiting may cause aspiration pneumonia.

5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	No data available.
Specific hazards arising from the substance or mixture:	No information available.
Hazardous combustion products:	Carbon oxides.
Protective equipment and precautions for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Avoid contact with skin and eyes. Take precautionary measures against static discharges.
Environmental precautions:	Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.
Methods and materials for containment and clean up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7: HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Ensure that eyewash stations and safety showers are close to the workstation location. Wash thoroughly after handling.
Conditions for safe storage including any incompatibilities:	Storage: Keep container tightly closed in a dry and well-ventilated place. Incompatible materials: OXIDIZERS.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure guidelines:	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering controls:	Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.
Personal protective equipment:	Avoid unnecessary exposure.
Eye/Face protection:	Where there is potential for eye contact have eye flushing equipment available. Use

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	eye protection to avoid eye contact.
Skin protection:	Wear protective gloves/clothing.
Respiratory protection:	Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.
General hygiene considerations:	Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white to Tan
Physical State:	Liquid
Color:	No information available
Odor:	Petroleum distillates
Odor threshold:	No data available
pH:	3.7 (1% aq)
Melting/Freezing point:	No data available
Boiling point:	No data available
Flash point:	65°C Closed cup
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Specific gravity:	0.931 @25C
Bulk density:	No data available
Water solubility:	Dispersible in water.
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

10: STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials:	OXIDIZERS.
Hazardous decomposition products:	Nitrogen oxides (NOx). Oxides of sulfur.

11: TOXICOLOGICAL INFORMATION

Acute toxicity:	Acute oral LD50 = >5000 mg/kg
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	Acute Dermal LD50 = >2000 mg/kg
	Acute Inhalation LC50 = >5.238 mg/L
Inhalation:	May cause irritation of respiratory tract.
Eye contact:	May cause slight irritation.
Skin contact:	Substance may cause slight skin irritation.
Ingestion:	MAY BE HARMFUL IF SWALLOWED.
Information on Toxicological Effects:	
Symptoms:	No information available.
Sensitization:	No information available.
Mutagenic effects:	No data available.
Carcinogenicity:	Clethodim technical =Cause liver effects and anemia in chronic studies in rodent and dogs. Non carcinogenic in lifetime feeding studies in rats and mice. Not a reproductive toxicant in a 2 generation study in rats Not a primary developmental toxicant in rats/rabbits. Not mutagenic or genotoxic based on overall weight of evidence in vitro and in vivo tests.
Reproductive toxicity:	Not available.
STOT - single exposure:	No data available.
STOT - repeated exposure:	No data available.
Aspiration hazard:	No information available.
Numerical measures of Toxicity:	No information available.
LD50 Oral:	5000 mg/kg.
LD50 Dermal:	>5000 mg/kg.
LC50 Inhalation:	>20 mg/l.

12: ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic organisms Clethodim (technical) = FISH toxicity Rainbow trout 96 hr LC50 = 65 mg/L Bluegill sunfish 96 hr LC50 = 120 mg/L AVIAN toxicity Bobwhite quail LC50 = >6000 ppm Mallard duck LC50 = >6000 ppm
Persistence and degradability:	No data available
Bio accumulative potential:	Chemical name: Hydrocarbons, C10-C13, aromatics 64742-94-5 Log Pow: 2.9-6.1
Other adverse effects:	No data available.

13: DISPOSAL CONSIDERATIONS

Waste disposal methods:	Pesticide waste can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
Contaminated packaging:	Refer to product label

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14: TRANSPORT INFORMATION**DOT:**

Domestically by highway in Not regulated
non-bulk containers:

Bulk, by vessel, or UN/ID no: NA1993
internationally:

Proper shipping name: Combustible liquid, n.o.s. (Petroleum distillates)

Hazard class: Comb liq

Packaging group: III

TDG:

Not regulated

IMDG (Transport by sea):

Not regulated

IATA (Transport by air):

Not regulated

15: REGULATORY INFORMATION

This chemical/product is a pesticide product registered by the PMRA and is subject to specific label requirements under these regulations. The requirements may differ classification and hazard information required for safety data sheets and for labels of

non-pesticide products. The following is information as required on the registered product label.

Signal word: WARNING

Skin and Eye Irritant. Keep out of Reach of Children. Toxic to aquatic organisms.

International Inventories:

USINV Not present

DSL/NDSL Not present

EINECS/ELINCS Not Present

ENCS Not Present

China Not Present

KECL Not Present

PICCS Not Present

AICS Not Present

TSCA Not Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Federal Regulations:**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical

or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

CERCLA Not applicable

CERCLA SARA Product RQ: 0

RCRA Pesticide Information

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Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Clethodim 99129-21-2 (13.57)			X	
Hydrocarbons, C10-C13, aromatics 64742-94-5 (8.25)			X	

16: OTHER INFORMATION

NFPA Classification: Health Hazard: 2
 Flammability: 2
 Instability: 0
 Physical hazard: -

Preparation Date: 01/09/2023

Revision Data/Reason: Not applicable

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.