

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: IPCO TACTIC
Pest Control Product Number: 35236
Product Use: Agrochemicals/Herbicide
Manufacturer /Supplier: INTERPROVINCIAL COOPERATIVE LTD.
945 Marion St.
Winnipeg, Manitoba
R2J 0K7
www.ipco.ca
Effective Date: August 02, 2024
This product is regulated under authority of the Pest Control Products Act

2: HAZARD IDENTIFICATION

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Specific target organ toxicity (repeated exposure): Category 2

Pictograms:



Signal word: Warning
Hazard statements: May cause damage to organs through prolonged or repeated exposure
Precautionary statement: Prevention:
Do not breathe dust/fume/gas/mist/vapors/spray
Response:
Get medical advice/ attention if you feel unwell
Disposal:
Dispose of contents/container according to label directions.

Hazards not otherwise classified (HNOC): No hazards not otherwise classified were identified.

Other information: Very toxic to aquatic life.

3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Family: Triazolinones.

COMPONENT	CAS NUMBER	% (W/W)
Sulfentrazone	122836-35-5	40%
Propylene glycol	57-55-6	5-10%
Oxirane, methyl-, polymer with oxirane, monobutyl ester	9038-95-3	1-5%
Toluene	108-88-3	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

If inhaled:	Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. 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.
Eye contact:	Hold eyes 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. Call a poison control center or doctor for further treatment advice.
Ingestion:	If swallowed, do not induce vomiting - seek medical advice 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 induce vomiting or give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed:	Central nervous system effects.
Indication of immediate medical attention and special treatment needed, if necessary:	Treatment symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide (CO ₂). Foam. Dry powder. Water spray.
Specific Hazards Arising from the Chemical:	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Hazardous Combustion Products:	Carbon oxides (CO _x), Nitrogen oxides (NO _x), Sulfur oxides, Hydrogen chloride, Hydrogen fluoride.
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus and full protective gear.
Explosion data:	<u>Sensitivity to Mechanical Impact</u> : No information available. <u>Sensitivity to Static Discharge</u> : No information available.

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.
Other:	For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
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 and cleaning up:	Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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
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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

Control parameters:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Toluene (108-88-3)	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³	Mexico: TWA 50 ppm Mexico: TWA 188 mg/m ³
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Propylene glycol (57-55-6)	-	-	TWA: 10 mg/m ³ aerosol only TWA: 50 ppm aerosol and vapor TWA: 155 mg/m ³ aerosol and vapor	-
Toluene (108-88-3)	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m ³ Skin	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m ³ Skin

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

Individual protection measures:

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.

Eye/Face protection: For dust, splash, mist or spray exposure, wear chemical protective goggles.

Hand Protection: Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks.

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 work. 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: Off-white Liquid

Physical State: Liquid

Color: Off-white

Odor: Low Alcohol

Odor threshold: No data available

pH: 5.3-6.0 @ 20°C

Melting point/range: 123 °C

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Boiling point:	No data available
Flash point:	> 94 °C / > 201 °F Tag Closed Cup
Evaporation rate (butyl acetate = 1):	No data available
Flammability (solid, gas):	No data available
Flammability Limit in Air:	No data available
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative Density:	10.07 lb/gal
Specific gravity:	1.206 @ 20 °C (water = 1)
Solubility in water:	Dispersible in water
Solubility in other solvents:	No data available
Partition coefficient	No data available
Autoignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity (kinematic, 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:	None under normal use conditions
Chemical Stability:	Stable.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Excessive heat.
Incompatible Materials:	None known.
Hazardous decomposition products:	Carbon oxides (COx), Nitrogen oxides (NOx), Sulfur oxides, Hydrogen chloride, Hydrogen fluoride.

11: TOXICOLOGICAL INFORMATION

Product Information:

LD50Oral:	2084 mg/kg (rat)
LD50Dermal:	>2000 mg/kg (rabbit)
LC50Inhalation:	> 2.72 mg/L 4 hr (rat) - Maximum attainable concentration (zero mortality)
Serious eye damage/eye irritation	Non-irritating.
Skin corrosion/irritation:	Minimally irritating.
Sensitization:	Did not cause sensitization on laboratory animals.

Chemical Name	LD50Oral	LD50Dermal	LC50Inhalation
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Propylene glycol (57-55-6)	20000 mg/kg (Rat)	20800 mg/kg (Rabbit)	>5,2 mg/L
Oxirane, methyl-, polymer with oxirane, monobutyl ester (9038-95-3)	2500 g/kg (Rat)		0.147 mg/L (Rat) 4 h
Toluene (108-88-3)	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h

Toxicological effects/Symptoms:

Signs of toxicity in laboratory animals given sulfentrazone included clonic convulsions, ataxia, hypersensitivity to touch, chromorhinorrhea, abdominogenital staining, decreased locomotion, lacrimation, nasal discharge, and squinting eyes.

Chronic toxicity:

Sulfentrazone: Prolonged exposure cause decreased hemoglobin content and hematocrit, and increased spleen weight and splenic extramedullary hematopoiesis at high doses in animal studies

Mutagenicity:

Sulfentrazone: Not genotoxic in animal studies.

Carcinogenicity:

Sulfentrazone: No evidence of carcinogenicity from animal studies.

Neurological effects:

Sulfentrazone: Clinical signs of neurotoxicity in laboratory animals was observed at high dose levels.

Reproductive toxicity:

Sulfentrazone: No toxicity to reproduction in animal studies.

Developmental toxicity:

Sulfentrazone: Fetal weight decreased; delayed skeletal ossification observed at maternally non-toxic doses are reversible effects and a dose-response is established; malformations observed in fetuses at maternally toxic doses and consistent with the mode of action for protoporphyrinogen oxidase inhibitors. Developmental toxicity testing and results were generated for sulfentrazone with toluene present as an impurity.

STOT - single exposure:

Not classified.

STOT - repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Target organ effects:

Sulfentrazone: Hematopoietic system.

Aspiration hazard:

No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3		
IARC (International Agency for Research on Cancer) Group 3 - Not classifiable as to its carcinogenicity to humans				

12: ECOLOGICAL INFORMATION

Ecotoxicity:	Sulfentrazone (122836-35-5)			
	Active Ingredient(s)	Duration	Species	Value
	Sulfentrazone	72 h EC50	Algae	32.8
		48 h EC50	Crustacea	60.4
		96 h LC50	Fish	94
		21 d NOEC	Fish	5.9
	21 d NOEC	Crustacea	0.51	mg/L

Persistence and degradability:

Sulfentrazone: Persistent, does not readily hydrolyze, Not readily biodegradable.

Bioaccumulation

Sulfentrazone: The substance does not have a potential for bioconcentration.

Mobility:

Sulfentrazone: Mobile, has potential to reach ground water.

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,

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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. Do not reuse or refill this container.

14: TRANSPORT INFORMATION

DOT

This material is not a hazardous material as defined by U.S. Department of Transportation.

TDG

Classification below is only applicable when shipped by vessel and is not applicable when shipped by road or rail only.

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s
 Hazard class 9
 Packing Group III
 Marine Pollutant Sulfentrazone.
 Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Sulfentrazone), 9, PG III, Marine Pollutant

ICAO/IATA

UN/ID no UN3082
 Hazard class 9
 Packing Group III
 Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Sulfentrazone), 9, PG III, Marine Pollutant

IMDG/IMO

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s
 Hazard class 9
 Packing Group III
 EmS No. F-A, S-F
 Marine Pollutant Sulfentrazone
 Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Sulfentrazone), 9, PG III, Marine Pollutant

15: REGULATORY INFORMATION

U.S. 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:

Chemical name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene - 108-88-3	108-88-3	1-5	1.0

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

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.			X

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Toluene 108-88-3	1000 lb.	X	X	X
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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	
Toluene 108-88-3	1000 lb. 454 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:

CAUTION

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. This pesticide is toxic to marine/estuarine invertebrates.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Prop. 65
Toluene - 108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Propylene glycol 57-55-6	X		X
Toluene 108-88-3	X	X	X

International Inventories

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Propylene glycol 57-55-6	X	X	X	X	X	X	X	X
Oxirane, methyl-, polymer with oxirane, monobutyl ester 9038-95-3	X	X		X	X	X	X	X
Toluene 108-88-3	X	X	X	X	X	X	X	X

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Mexico - Grade Serious risk, Grade 1

Chemical name	Carcinogen Status	Mexico
Toluene		Mexico: Ceiling 50 ppm Mexico: Ceiling 188 mg/m ³
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
Toluene	1000 5000 kg/yr	1000 kg/yr

CANADA

This chemical is a pest control product regulated by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

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 D2A - Very toxic materials



16: OTHER INFORMATION

WNFPA/HMIS:	NFPA	Health Hazards	Flammability 1	Instability 0	Special Hazards
		1			-
	WHMIS	Health Hazards	Flammability 1	Physical hazard	Personal Protection X
		1*		0	

**Indicates a chronic health hazard.*

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Preparation date: August 02, 2024

Revision Date/Reason: N/A

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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