

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: IPCO Pivot 418EC
Product Use: Fungicide
Pest Control Product Number: 28219

Manufacturer /Supplier: INTERPROVINCIAL COOPERATIVE LTD.
945 Marion St.
Winnipeg, Manitoba
R2J 0K7 www.ipco.ca

Emergency Contact Number: 613-996-6666 (CANUTEC; Call day or night 24 hrs.)

Effective Date: 25/09/2023

This product is regulated under authority of the Pest Control Products Act

2: HAZARD IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations:

Physical Hazards: Flammable liquid Category 4

Health Hazards: Acute toxicity (Oral) Category 4
Acute toxicity (Dermal) Category 5
Acute toxicity (Inhalation) Category 4
Eye irritation Category 2A
Skin irritation Category 2
Skin sensitizer Category 1B

Environmental Hazards: Hazardous to aquatic environment, acute Category 1

Signal Word: WARNING

Hazard Statements: Combustible liquid. Harmful if swallowed. May be harmful in contact with skin. Harmful if inhaled. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life.



Precautionary Statements: Keep away from flames and hot surfaces. Avoid contact with skin, eyes and clothing. Wear goggles or face shield during mixing/loading. Wear coveralls or a long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. After use, wash hands and other exposed skin. Remove and wash contaminated clothing before reuse. Avoid breathing spray mist. Harmful if swallowed. This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

Effects of Overexposure:
Route of Exposure: Inhalation, eye contact, skin contact, ingestion.

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Inhalation	May cause headaches, nausea, and lack of coordination. May be harmful if inhaled...
Eye Contact	Mildly irritating.
Skin Contact	Warning Skin irritant. Potential skin sensitizer.
Ingestion	May be harmful if swallowed. Aspiration can be a hazard if this material is swallowed. Will cause vomiting, nausea, diarrhea

3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% (W/W)
Propiconazole	60207-90-1	37.72 – 40.05
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	33.80 – 35.90
Other ingredients:		5.51 – 6.09
1, 2, 4-Trimethylbenzene	95-63-6	
Naphthalene	91-20-3	

Ingredients not listed are proprietary or non-hazardous

4: FIRST AID MEASURES

In case of poisoning, call a physician or poison control centre IMMEDIATELY.

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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
Skin:	Start flushing while removing contaminated clothing. Flush skin with running water for 15 - 20 minutes. If irritation persists, repeat flushing. Call a poison control centre or doctor for treatment advice.
Eyes:	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.
Emergency Medical Care:	Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. There is no specific antidote if this product is ingested. Treat symptomatically. Contains petroleum distillate - vomiting may cause aspiration pneumonia. Induction of emesis is not recommended due to the large amount of petroleum solvent in this product, which could cause chemical pneumonitis if aspirated.

5: FIRE-FIGHTING MEASURES

Extinguishing Media:	Water spray, foam, or fog.
Special Fire Fighting Procedures:	Use water spray to cool fires exposed containers or structures. Wear self-contained breathing apparatus and protective clothing. Contain water from firefighting to prevent entry into water supplies.
Flash Point:	64 °C
Conditions of Flammability:	Combustible liquid. May burn under fire conditions.
Hazardous Decomposition Products:	NO _x , CO, CO ₂ and chlorides.

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National Fire Protection Association (NFPA) Hazard Rating for this Product:

Health: 1 Flammability: 2 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

6: ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Dispose of this material and its container at hazardous or special waste collection point, in accordance with national and regional regulations. If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers have to be dug out. In the event of minor spillage: Absorb in sand or other inert material. Use appropriate containment to avoid environmental contamination. In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

7: HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Wear goggles or face shield during mixing/loading. Wear coveralls or a long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. After use, wash hands and other exposed skin. Remove and wash contaminated clothing before reuse. Avoid breathing spray mist. Do not eat, drink or smoke when using this product.

Storage: Keep away from heat, sparks and filling of containers. Keep away from children. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Store at normal ambient temperatures.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS			
Component	TWA*	STEL**	Reference/Comments
Propiconazole	Not established	Not established	No available information
Solvent Naphtha (Petroleum), Heavy Aromatic	50 mg/m ³	Not established	Supplier recommendation
Naphthalene (component of solvent)	10 ppm, 52 mg/m ³	15 ppm, 79 mg/m ³	ACGIH
1,2,4-trimethylbenzene (component of solvent)	25 ppm, 125 mg/m ³	Not established	ACGIH

*Time-weighted Average, 8-hour unless otherwise noted. **Short Term Exposure Limit

Special Engineering Controls: This product is intended for use outdoors where engineering controls are not necessary. If necessary, ensure work areas have ventilation, containment, and procedures sufficient to maintain airborne levels below the TLV. Warehouses, production area, parking lots and waste holding facilities must have adequate containment to prevent environmental contamination. Provide separate shower and eating facilities..

Eye Protection: CSA approved safety glasses with side shields or goggles.

Respiratory Protection: A NIOSH/MSHA approved air-purifying respirator equipped with organic vapor cartridges or canister with any R, P or HE filter. Air supplied respirator above TLV or unknown concentrations.

Hand and Arm: Chemical resistant (e.g. nitrile or butyl) gloves.

Feet: Socks and chemical-resistant footwear.

Body: Coveralls.

Other Personal Protection: Recommendations listed above indicate the type of equipment which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear-brownish liquid
Odour: Aromatic "Solvent" odour
Odour threshold (ppm): Not established
pH (1% Sol'n): 6.0 – 8.0

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Freezing point:	< 0 °C
Boiling point:	184 – 205 °C (solvent)
Flash Point & Method:	64 °C (Tag Closed Cup)
Evaporation rate:	< 0.01 (n-butyl acetate = 1) (solvent)
Flammability:	Class IIIA Combustible Liquid (flash point at or above 60°C and below 93.3°C)
Flammable Limits (% in air):	LEL = 0.7, UEL = 5.6 vol. % in air (solvent)
Autoignition Temperature:	433°C (solvent)
Decomposition Temp:	>320 °C (propiconazole)
Vapour pressure:	4.0 Pa @ 20 °C (solvent) 5.6 x 10 ⁻² mPa @ 25 °C (propiconazole)
Vapour density:	5.6 @ 101 kPa (Air =1) (solvent)
Specific Gravity:	1.0750 Kg/L (@ 20 °C)
Solubility in water:	Emulsifies
Solubility in liquids:	Not established
Coefficient of water/oil distribution:	Log P = 3.65 @ pH 6.6, 25 °C (propiconazole)
% volatile by volume:	Not applicable
Viscosity:	48 cps @ 20 °C

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.
Conditions to Avoid:	High temperatures, sparks, open flames, and all other sources of ignition.
Incompatible materials:	Strong acids and bases; strong oxidizing and reducing agents
Hazardous Decomposition Products:	NO _x , CO, CO ₂ and chlorides.

11: TOXICOLOGICAL INFORMATION

Skin Absorption:	Acute dermal LD ₅₀ (Rat) = >5000 mg/kg.
Ingestion:	Acute oral LD ₅₀ (Rat) = 982 mg/kg (female); >2000 mg/kg (male)
Inhalation:	LC ₅₀ (Rat) = 2.04 mg/L (4 hr., nose-only exposure)
Eye Irritation:	Moderately irritating (Rabbit)
Dermal Irritation:	Severely irritating (Rabbit)
Dermal Sensitization:	A skin sensitizer (Guinea Pig)
T.W.A. (ACGIH):	Total Hydrocarbons: 100 mg/m ³
Chronic Health Hazards:	Prolonged or repeated exposure may lead to kidney or central nervous system symptoms.
Mutagenicity Data:	None observed.
Carcinogenicity Data:	Long-term exposure of mice to high dose levels of propiconazole produced an increase in liver tumors in male mice. Propiconazole is not considered to be carcinogenic.
Teratogenicity Data:	None observed.
Reproductive Effects:	None observed.

12: ECOLOGICAL INFORMATION

The active ingredient, propiconazole, is practically nontoxic to plants birds and insects, but is very toxic to aquatic life.

Data on Propiconazole:

5-Day EC₅₀ (ppm): 1.6 (Green Algae)
96-Hour LC₅₀/EC₅₀ (ppm): 0.85 (Rainbow Trout)
48-Hour LC₅₀/EC₅₀ (ppm): 4.80 (Daphnia)
14-Day LC₅₀ (mg/kg): 2510 (Mallard Duck)

Chemical Fate Information: The active ingredient, propiconazole, has a low bioaccumulation potential, low mobility, and low to moderate persistence in soil and water. The Dissipation half-life in soil is 70 days. The main route of degradation is by microbial degradation and formation of bound residues.

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13: DISPOSAL CONSIDERATIONS

Product Disposal: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

Container Disposal: Do not reuse container for any purpose. Dispose of product containers, waste containers, and residues according to label instructions and provincial requirements.

14: TRANSPORT INFORMATION

Canadian TDG Description (Road & Rail): Not regulated for transport by road/rail.

United States:

DOT Description:

< 119 gallons per complete package: Non Regulated – See 49 CFR 173.132(b)(3) & 172.101 Appendix A

≥ 119 gallons per complete package: NA1993, Combustible, Liquid, n.o.s., (Naphthalene), 3, III

IMDG: Not Regulated

IATA: Not Regulated

15: REGULATORY INFORMATION

Pest Control Products Act Registration Number:28219

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.

The pest control product label (the label), under the Pest Control Products Act, needs to be followed at all times and in cases where there are any discrepancies between the Pest Control Products Act label and an SDS for that product it is the label information that prevails. Note that labels under the Pest Control Products Act are not in the GHS.

16: OTHER INFORMATION

Revision Date/Reason: September 25, 2023/Section 14 updated

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, IPCO cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.