

**1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: IPCO Syncro Insecticide  
Pest Control Product Number: 33838  
Product Use: Agrochemicals/Insecticide  
Manufacturer/Supplier: INTERPROVINCIAL COOPERATIVE LTD.  
945 Marion St.  
Winnipeg, Manitoba  
R2J 0K7  
[www.ipco.ca](http://www.ipco.ca)  
Effective Date: 03/09/2020  
This product is regulated under authority of the Pest Control Products Act

**2: HAZARD IDENTIFICATION**

GHS classification in accordance with 29 CFR 1910.1200:  
Acute toxicity -Oral Category 4  
Acute toxicity -Inhalation (Dusts/Mists) Category 4  
Carcinogenicity Category 2  
Specific target organ toxicity (single exposure) Category 2  
Specific target organ toxicity (repeated exposure) Category 2  
Aspiration hazard Category 1  
Flammable liquids Category 4

Pictograms:



Signal word: Danger  
Hazard statements: Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful if inhaled. Suspected of causing cancer. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. Combustible liquid.  
Precautionary statement: Prevention:  
Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/protective clothing/eye protection/face protection.  
Response:  
If exposed or concerned: Get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth. In case of fire: Use Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray or fog. for extinction.  
Storage:  
Store locked up. Store in a well-ventilated place. Keep cool.  
Disposal:  
Dispose of contents/container to an approved waste disposal plant.

**In case of emergency call CANUTEC at 613-996-6666**

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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:** Pyrethroid Pesticide

COMPONENT	CAS NUMBER	% (W/W)
Permethrin	52645-53-1	38.4%
Naphtha (petroleum), heavy aromatic	64742-94-5	50-60%
Pseudocumene	95-63-6	10-20*%
Xylenes	1330-20-7	1-5*%
Cumene	98-82-8	0.1-1*%

\* This component is a constituent(s) of the ingredient: Naphtha (petroleum), heavy aromatic. 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:	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. 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 any immediate medical attention and special treatment needed:	Treat symptomatically. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

### 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray or fog.
Specific hazards arising from the chemical:	Combustible liquid.
Explosion data:	Sensitivity to Mechanical Impact: No information available. Sensitivity to Static Discharge: No information available.
Protective equipment and precautions for firefighters:	As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

### 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.

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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**

Control parameters:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Pseudocumene (95-63-6)	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>	-
Xylenes (1330-20-7)	STEL 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	-	Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 150 ppm Mexico: STEL 655 mg/m <sup>3</sup>
Cumene (98-82-8)	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>	Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Xylenes (1330-20-7)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>
Cumene (98-82-8)	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 50 ppm	TWA: 50 ppm TWA: 246 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: If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Skin and body protection: Wear long-sleeved shirt, long pants, socks, and shoes.

Hand protection: Rubber/latex/neoprene or other suitable chemical resistant gloves.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

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

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protective equipment suppliers. These recommendations apply to the product as supplied.

### 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid
Physical State:	Liquid
Color:	Amber
Odor:	Hydrocarbon-like
Odor threshold:	No data available
pH:	4.8 @ 25 °C
Melting point:	Not applicable
Freezing point:	Not applicable
Boiling point:	No data available
Flash point:	79.4 - 82°C / 174.9 - 179.6 °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
Vapour density:	No data available
Relative density:	8.89 lb/gal
Specific Gravity:	1.002 @ 20°C
Water Solubility:	Emulsifies
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 under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Excessive heat. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials:	None known.
Hazardous decomposition products:	Chlorine, Hydrogen chloride, Carbon oxides (COx)

### 11: TOXICOLOGICAL INFORMATION

LD50 Oral: 789 mg/kg (rat)

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LD50 Dermal: > 2000 mg/kg (rabbit)  
 LC50 Inhalation: 1.4 mg/L 4 hr (rat)  
 Serious eye damage/eye irritation: Moderately irritating (rabbit).  
 Skin corrosion/irritation: Moderately irritating (rabbit).  
 Sensitization: Non-sensitizing

Chemical Name	LD50Oral	LD50Dermal	LC50Inhalation
Permethrin (52645-53-1)	3129 mg/kg (Rat)	>2000 mg/kg (Rabbit)	> 2.09 mg/L (Rat) 4 h
Naphtha (petroleum), heavy aromatic (64742-94-5)	> 5,000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	>5.28 mg/L (Rat) 4 h
Pseudocumene (95-63-6)	3280 mg/kg (Rat)	3160 mg/kg (Rabbit)	18 g/m3 (Rat) 4 h
Xylenes (1330-20-7)	3500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	11 mg/l (Rat) 4 h
Cumene (98-82-8)	1400 mg/kg (Rat)	3160 mg/kg (Rabbit)	> 17.6 mg/L (Rat) 4 h

Symptoms: Large, toxic doses administered to laboratory animals have produced symptoms such as diarrhea, salivation, tremors and intermittent convulsions. Overexposure to animals, via inhalation, has also produced hypersensitivity.

Chronic toxicity: Effects are expected to be similar to those that are seen with acute toxicity.

Mutagenicity: Permethrin: Not genotoxic in laboratory studies.

Carcinogenicity: Permethrin: Evidence of tumors in mice but is not considered relevant to humans.

Neurological effects: Permethrin: Clinical signs of neurotoxicity include altered motor activity and neurobehavioral effects, with no signs of histopathology.

Reproductive toxicity: Permethrin: No toxicity to reproduction in animal studies.

STOT - single exposure: May cause damage to organs. See listed target organs below.

STOT - repeated exposure: May cause damage to organs through prolonged or repeated exposure: See listed target organs below.

Target organ effects: Central Nervous System (CNS)

Aspiration hazard: Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

Chemical name	ACGIH	IARC	NTP	OSHA
Permethrin 52645-53-1		Group 3		
Xylenes 1330-20-7		Group 3		
Cumene 98-82-8		Group 2B	Reasonably Anticipated	X

**Legend:**  
 IARC (International Agency for Research on Cancer)  
 Group 2B - Possibly Carcinogenic to Humans  
 Group 3 - Not classifiable as to its carcinogenicity to humans  
 NTP (National Toxicology Program)  
 Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 X - Present

**12: ECOLOGICAL INFORMATION**

Ecotoxicity:	Chemical name	Duration	Species	Value

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Permethrin (52645-53-1)	48h EC50	Crustacea	0.001 mg/L
	72h EC50	Algae	0.0125 mg/L
	21 d NOEC	Crustacea	0.039 mg/L
	96h NOEC	Algae	0.9 µg/L
	21 d NOEC	Fish	0.3 µg/L
	96h LC50	Fish	5.3 mg/L
	96h EC50	Algae	0.010 mg/L

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

Bioaccumulation: Permethrin: The substance has a potential for bioconcentration.

Mobility: Permethrin: Immobile; Not expected 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:** Not regulated for transportation if shipped in Non Bulk packaging. The classification below pertains to the shipment in Bulk packaging.

UN/ID No: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard class: 9

Packaging Group: III

Marine Pollutant: Permethrin

Description: UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

**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

Packaging Group: III

Marine Pollutant: Permethrin

Description: UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

**IMDG (Transport by sea):**

UN/ID No: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard class: 9

Packaging Group: III

EmS No.: F-A, S-F

Marine Pollutant: Permethrin

Description: UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

**ICAO/IATA (Transport by air):**

UN/ID No: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard class: 9

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Packaging Group: III  
 Description: UN3082, Environmentally hazardous substance, liquid, n.o.s. (permethrin), 9, III, Marine Pollutant

**15: REGULATORY INFORMATION**

**U.S. Federal Regulations**

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 Value %
Permethrin	52645-53-1	38.4	1.0
Pseudocumene	95-63-6	10-20	1.0
Xylenes	1330-20-7	1-5	1.0
Cumene	98-82-8	0.1-1	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard Yes  
 Chronic health hazard Yes  
 Fire hazard Yes  
 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
Xylenes 1330-20-7	100 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
Xylenes 1330-20-7	100 lb 45.4 kg	
Cumene e 98-82-8	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)

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Permethrin 52645-53-1			X	X	X	X	X	X
Naphtha (petroleum), heavy aromatic 64742-94-5	X	X	X		X	X	X	X
Pseudocumen e 95-63-6	X	X	X	X	X	X	X	X
Xylenes 1330-20-7	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	Carcinogen Status	Mexico
Xylenes		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 150 ppm Mexico: STEL 655 mg/m <sup>3</sup>
Cumene		Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>

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
Xylenes	1000 5000 kg/yr	1000 kg/yr
Cumene	1000 5000 kg/yr	1000 kg/yr

**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** B3 - Combustible liquid  
D2A - Very toxic materials  
D2B - Toxic materials



**16: OTHER INFORMATION**

NFPA	Health Hazards 2	Flammability 2	Instability 0	Special Hazards -
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WHMIS	Health Hazards 2*	Flammability 2	Physical hazard 0	Personal Protection X
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\*Indicates a chronic health hazard.

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

Revision Date/Reason: September 3, 2020/ New SDS

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