



## Interprovincial Cooperative Limited

# IPCO CONTENDER HERBICIDE

# MATERIAL SAFETY DATA SHEET

### 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: IPCO Contender  
Product Use: Herbicide  
Product Number: 32091  
Manufacturer/Supplier: INTERPROVINCIAL COOPERATIVE LTD.  
945 Marion St.  
Winnipeg, Manitoba  
R2J 0K7  
[www.ipco.ca](http://www.ipco.ca)  
Effective Date: June 17, 2016

### 2: HAZARD IDENTIFICATION

Primary Routes of Exposure: Inhalation, eye contact, skin contact, ingestion.  
Effects of Overexposure:  
Eyes: Corrosive to eyes. Causes irreversible eye damage.  
Skin: Warning Skin irritant. Potential skin sensitizer. May result in burning, redness, swelling, pain, blisters, cracking, or rash.  
Inhalation: May be harmful if inhaled. May cause headache, dizziness and confusion  
Ingestion: Harmful if swallowed. May initially include jaundice, bloody urine, flank pain, anemia, red blood cell destruction, hemolysis and acute renal failure.

### 3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% (W/W)
Quizalofop-p-ethyl	100646-51-3	8.94 – 9.88
Naphthalene	91-20-3	< 11.0%
N-methyl-2-pyrrolidone	872-50-4	< 8.0%

Ingredients not listed are proprietary or non-hazardous.

### 4: FIRST AID MEASURES

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

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

Skin contact: Take of contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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. Call poison control center or doctor for further treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

General advice: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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

Interprovincial Cooperative Ltd.; Information Phone: 204-233-3461

Effective Date:

MSDS # 055

PCP# 32091

17-Jun-2016

Page 1 of 4

**5: FIRE-FIGHTING MEASURES**

Unusual Fire & Explosion Hazards:	Toxic fumes under high temperature conditions. Contain water from fire fighting to prevent entry into water supplies.
Suitable extinguishing media:	CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Hazardous combustion products:	Noxious fumes under fire conditions.
Special Firefighting Procedures:	Use water spray to cool fires exposed containers or structures. Use water spray to disperse vapors; re-ignition is possible. Use self-contained breathing apparatus and protective clothing.

**6: ACCIDENTAL RELEASE MEASURES**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Absorb with inert liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and dispose of in accordance with applicable regulations.

**7: HANDLING AND STORAGE**

Handling:	Prevent contact with eyes, skin, and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not contaminate irrigation ditches or domestic water supplies.
Storage:	Store in a cool, well-ventilated area. Keep away from heat, sparks and filling of containers. Store product in original container only, away from other pesticides, fertilizers, food or feed. Keep away from children.

**8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Limits:**Quizalofop-p-ethyl**

LD <sub>50</sub> -ORAL:	5000 mg/kg Rat
LD <sub>50</sub> -DERMAL:	>2000 mg/kg Rabbit
LC <sub>50</sub> :	>3.50 mg/L (4 hrs) Rat
T.L.V. (ACGIH):	Not Established

**N-methyl-2-pyrrolidone**

LD <sub>50</sub> -ORAL:	>4,300 mg/kg Rat
LD <sub>50</sub> -DERMAL:	>8000 mg/kg Rabbit
LC <sub>50</sub> :	Not Established
T.L.V. (ACGIH):	Not Established

Special Engineering Controls: Use only with adequate ventilation. Keep container tightly closed. The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

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

Respiratory Protection: Not normally required, if vapors or dusts exceed acceptable levels, wear a NIOSH/MSHA approved pesticide respirator.

Hand and Arm: Chemical resistant PVC or rubber gloves.

Feet: Rubber boots

Body: Wear protective clothing: long-sleeved shirts and pants, socks.

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**

Physical State:	Liquid
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PCP# 32091

17-Jun-2016

Page 2 of 4

Appearance & Odour:	Dark amber, aromatic "Solvent" odour
Specific Gravity (@ 20°C):	1.02 g/mL
Vapour density:	Not Determined
Solubility in water:	Emulsifies
Solubility in liquids:	Not Determined
Freezing point:	Not Determined
% volatile by volume:	Not Determined
Boiling point (°C):	Not Determined
Odour threshold (ppm):	Not Determined
Coefficient of water/oil distribution:	Not Determined
Vapour pressure (mm Hg):	Not Determined
Evaporation rate:	Not Determined
pH:	5.6
Viscosity:	Not Determined
Flash Point & Method (°C):	98.9 (Tag Closed Cup)
Flammable Limits (% in air):	Not Determined
Autoignition Temperature (°C):	Product is not self igniting

**10: STABILITY AND REACTIVITY**

Chemical stability:	Stable under normal conditions
Conditions to avoid:	Heat, flames and sparks.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No decomposition if used according to specifications. No dangerous decomposition products known
Possibility of hazardous reactions:	No dangerous reactions known.

**11: TOXICOLOGICAL INFORMATION**

Skin Absorption:	Acute Dermal LD <sub>50</sub> (rabbit): > 2,000 mg/kg.
Ingestion:	Acute Oral LD <sub>50</sub> (rat): 5900 mg/kg (male), 4100 mg/kg (female)
Inhalation:	Acute Inhalation LC <sub>50</sub> (rat): 2.6 mg/L 4 Hours
T.W.A. (ACGIH):	Total Hydrocarbons: Not determined
Chronic effects:	Prolonged or repeated exposure may include burning, redness, swelling, pain, blisters, cracking and rash
Carcinogenicity:	No data available
Mutagenicity:	No data available.
Reproductive effects:	No data available.
Teratogenicity:	Not available.

**12: ECOLOGICAL INFORMATION**

<u>Aquatic Toxicity</u>	This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment. TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE. TOXIC to aquatic organisms.
Quizalofop p-ethyl	96 h LC <sub>50</sub> : <i>Oncorhynchus mykiss</i> (rainbow trout) 0.72 mg/L 72 h ErC <sub>50</sub> : <i>Pseudokirchneriella subcapitata</i> (green algae) 0.021 mg/L 48 h EC <sub>50</sub> : <i>Daphnia magna</i> (Water flea) 51.9 mg/L 21 d NOEC: <i>Daphnia magna</i> (Water flea) 0.787 mg/L
N-Methyl-2-pyrrolidone	96 h LC <sub>50</sub> : <i>Oncorhynchus mykiss</i> (rainbow trout) 0.72 mg/L 72 h ErC <sub>50</sub> : <i>Desmodesmus subspicatus</i> (green algae) 600.5 mg/L 72 h NOEC: <i>Desmodesmus subspicatus</i> (green algae) 125 mg/L 21 d NOEC: <i>Daphnia magna</i> (Water flea) 12.5 mg/L

Persistence and Degradability: Not available.

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MSDS # 055

PCP# 32091

17-Jun-2016

Page 3 of 4

Bioaccumulation/Accumulation: Not available.  
Mobility in soil: Not available.

**13: DISPOSAL CONSIDERATIONS**

Waste Disposal: Do not contaminate water, food or feed by 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 clean-up of spills.

Container Disposal: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

**14: TRANSPORT INFORMATION**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Quizalofop-p-ethyl), Class 9, PG III

Section 1.45.1 of the TDG Regulations provides an exemption from documentation and safety marks only for this product and only when transported by road or railway vehicle.

**15: REGULATORY INFORMATION**

Pest Control Products Act 32091  
Registration Number:  
For Information Phone: 204-233-3461  
MSDS Status/Revised February 25, 2016  
Sections:  
Replaces MSDS Dated: February 25, 2016

**16: OTHER INFORMATION**

WHMIS Ratings: D2B  
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, IPCO cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.

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Page 4 of 4