



## Interprovincial Cooperative Limited

MCPA AMINE 500

## MATERIAL SAFETY DATA SHEET

### 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MCPA Amine 500\*  
Product Use: Phenoxy (Broadleaf) Herbicide  
Product Number: 20308

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

Effective Date: June 17, 2016

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

### 2: HAZARD IDENTIFICATION

#### Effects of Overexposure:

Route of Exposure: Inhalation, eye contact, skin contact, ingestion.  
Inhalation: A single exposure to vapors is not likely to be hazardous.  
Eye Contact: May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness.  
Skin Contact: May cause skin irritation.  
Ingestion: Moderately toxic; May cause gastrointestinal irritation and ulceration

### 3: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% (W/W)
(4-Chloro-2-methylphenoxy) acetic acid	94-74-6	46.05 – 47.43
Other ingredients		52.57 – 53.95

Ingredients not listed are proprietary or non-hazardous

### 4: FIRST AID MEASURES

Inhalation: Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical attention IMMEDIATELY.

Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person.

Skin: Flush skin with running water, and then continue flushing with running water for 5 - 10 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing.

Eyes: In case of contact, immediately flush eyes with plenty of water for 5 - 15 minutes and get medical attention.

Emergency Medical Care: Treatment based on judgment of the physician in response to reaction of the patient. There is no specific antidote.

#### FIRST AID:

1. **If on skin or clothing**, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

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

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2. **If in 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.
3. **If swallowed**, call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.
4. **If inhaled**, 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.
5. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.
- GO**

## 5: FIRE-FIGHTING MEASURES

Unusual Fire & Explosion Hazards:	Noxious fumes may be formed under fire conditions. Contain water from fire fighting to prevent entry into water supplies.
Extinguishing Media:	Carbon Dioxide, Foam, Water Fog, and Dry Chemical. (But not SODA DRY POWDER)
Special Oxidizing Material Hazards:	Not Established
Hazardous Combustion Products:	Noxious (HCl & Amines) fumes under fire conditions.
Special Fire Fighting Procedures:	Use water spray to cool fire exposed containers or structures. Use self-contained breathing apparatus and protective clothing.

## 6: ACCIDENTAL RELEASE MEASURES

In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

## 7: HANDLING AND STORAGE

Store in a cool, well-ventilated area. Keep away from heat, sparks and filling of containers. Keep away from children; prevent contact with eyes, skin, and clothing. Do not store near fertilizers, foodstuffs, seed, insecticides or fungicides.

Do not contaminate irrigation ditches or domestic water supplies. If this happens notify police and local authorities.

## 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Limits:

(4-Chloro-2-methylphenoxy) acetic acid

LD50-ORAL: 737 mg/kg Rat

LD50-DERMAL: > 2000 mg/kg Rabbit

T.L.V. (ACGIH): 15 mg/m<sup>3</sup> (MCPA Acid)

LC50: Not Established

Special Engineering Controls: Local exhaust ventilation required.

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

Respiratory Protection: No respiratory protection needed unless mist generated, then a NIOSH/MSHA toxic mist mask suggested.

Hand and Arm: PVC or rubber gloves.

Feet: Rubber boots.

Body: Coveralls.

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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  
Appearance & Odour: Brown, Fishy Odour  
Specific Gravity: (@ 20<sup>0</sup>c): 1.1346  
Vapour density: Not established  
Solubility in water: Miscible  
  
Solubility in liquids: Not established  
Freezing point: - 3<sup>0</sup>c  
% volatile by volume: Not applicable  
Boiling point: 100<sup>0</sup>c  
Odour threshold (ppm): Not established  
Coefficient of water/oil distribution: Not applicable  
Vapour pressure: Not established  
Evaporation rate: Not Established  
pH: 8.1 - 8.5  
Viscosity: 34.4 cps at 20°C  
Flash Point & Method: (<sup>0</sup>C): > 100 (Tag Closed Cup)  
Flammable Limits (% in air): Lower: Not Applicable  
Upper: Not Applicable  
Autoignition Temperature: Not Applicable

## 10: STABILITY AND REACTIVITY

Decomposition Temp: Not Established  
Stability: Stable under normal conditions.  
Materials to Avoid: Acids, oxidizing agents  
Hazardous Decomposition Products: Hydrogen Chloride and nitrogen oxides may be formed under fire conditions  
Hazardous Polymerization or Condensation: Will not occur.  
Conditions to Avoid: Elevated temperatures, product may boil then burn.

## 11: TOXICOLOGICAL INFORMATION

Skin Absorption: Acute dermal LD50 (Rat) >5000 mg/kg.  
Ingestion: Acute oral LD50 (rat) 1575 mg/kg.  
Inhalation: LC50 Not Established  
Chronic Health Hazards: Excessive exposure may cause liver, kidney, gastrointestinal and muscle effects. Signs and symptoms of excessive exposure may be nausea, vomiting, abdominal cramps and diarrhea.  
  
Chronic Effects/  
Carcinogenicity: The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. Newer rat and mouse lifetime feeding studies did not show carcinogenic potential for MCPA  
  
Reproductive Toxicity: Testicular effects and lower male fertility have been noted in animal studies.  
Developmental Toxicity: MCPA studies in laboratory animals have shown decreased fetal body weights and delayed development in the offspring at doses toxic to mother animals

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Genotoxicity: There have been some positive and some negative studies, but the weight of evidence is that MCPA is not mutagenic.

**12: ECOLOGICAL INFORMATION****Data on MCPA Products:**

96-Hour LC50 (mg/L): 230 (Rainbow Trout)

96-Hour LC50 (mg/L): 310 (Bluegill)

48-Hour EC50 (mg/L): 190 (Daphnia)

Oral LD50 (mg/kg): 390 (Bobwhite Quail)

Dietary LC50 (ppm): > 5620 (Mallard Duck)

**Chemical Fate Information:** MCPA DMA rapidly dissociates to parent MCPA in the environment. In soil, MCPA is microbially degraded with typical half-life of approximately 10 to 14 days

**13: DISPOSAL CONSIDERATIONS**

Dispose of waste materials in an approved incinerator or waste treatment/disposal facility in accordance with applicable regulations. Do not dispose of wastes in local sewer or with normal waste.

**14: TRANSPORT INFORMATION**

This product is Not Regulated under regulations of the Transport of Dangerous Goods Act.

**15: REGULATORY INFORMATION**

Pest Control Products Act

Registration Number: 20308

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MSDS Status/

Revised Sections:

Replaces MSDS Dated: July 08/2013

**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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