

# InterProvincial Cooperative Limited

## Material Safety Data Sheet

Product: MCPA Ester 500

### IDENTIFICATION & DESCRIPTION

PCP Act Reg. #: 20307, 26161  
WHMIS STATUS: Controlled  
WHMIS CLASS (ES): B3, D2B  
PHYSICAL STATE: Liquid  
APPEARANCE & ODOUR: Brown "phenolic" odour  
USES: Phenoxy (Broadleaf) Herbicide  
SUPPLIER: INTERPROVINCIAL COOPERATIVE LTD.  
ADDRESS: 945 Marion St.  
Winnipeg, Manitoba  
R2J 0K7  
EMERGENCY PHONE NO: (613) 996-6666 (Canutec)

### PHYSICAL DATA

SPECIFIC GRAVITY: (@ 20.0 C): 1.0290  
VAPOUR DENSITY: Not Established  
SOLUBILITY IN WATER: Emulsifies  
SOLUBILITY IN LIQUIDS: Not Established  
FREEZING POINT: (C): -35  
% VOLATILE BY VOLUME: Not Established  
BOILING POINT: Not Established  
ODOUR THRESHOLD (ppm): Not Established  
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Established  
VAPOUR PRESSURE: Not Established  
EVAPORATION RATE: Not Established  
PH: Not Established

### CONTROLLED PRODUCTS LIST

#### MCPA Ester 500 (2EHE)

LD50-ORAL:	2310 g/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

#### Non-Hazardous

C.A.S. #:	Not Established	% (W/W):	1 - 5
LD50-ORAL:	Not Established	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

#### Solvesso 150

C.A.S. #:	64742-94-5	% (W/W):	10 - 30
LD50-ORAL:	5000 mg/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

#### (4-Chloro-2-methylphenoxy) acetic acid, 2-ethylhexyl ester

C.A.S. #:	29450-45-1	(W/W):	60 - 100
LD50-ORAL:	2000 mg/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

### FIRE & EXPLOSION DATA

FLASH POINT & METHOD: (C): 74.4 (Tag Closed Cup)  
FLAMMABLE LIMITS (% IN AIR): Lower: Not Established Upper: Not Established  
AUTOIGNITION TEMPERATURE: (C): 490.0  
UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic fumes under high temperature conditions.  
Contain water from fire fighting to prevent entry into water supplies.

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**EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Water Fog, and Dry Chemical.

**SPECIAL OXIDIZING MATERIAL HAZARDS:** Not Established

**HAZARDOUS COMBUSTION PRODUCTS:** Noxious fumes under fire conditions.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool fires exposed containers or structures. Use water spray to disperse vapours; re-ignition is possible. Use self-contained breathing apparatus and protective clothing.

### HAZARDOUS REACTIVITY

**DECOMPOSITION TEMP:** Not Established

**STABILITY:** Stable under normal conditions.

**MATERIALS TO AVOID:** Acidic, basic or oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen Chloride, Carbon Dioxide, Carbon Monoxide, and other chloride compounds

**HAZARDOUS POLYMERIZATION OR CONDENSATION:** Will not occur.

**CONDITIONS TO AVOID:** High temperatures, sparks, open flames, and all other sources of ignition.

### TOXICOLOGICAL DATA

**CHRONIC HEALTH HAZARDS:** Prolonged or repeated exposure may lead to kidney or central nervous system symptoms.

**MUTAGENICITY DATA:** No information is available and no adverse mutagenic effects are anticipated.

**CARCINOGENICITY DATA:** No information is available and no adverse carcinogenic effects are anticipated.

**TERATOGENICITY DATA:** No information is available and no adverse teratogenic effects are anticipated.

**REPRODUCTIVE EFFECTS:** No information is available and no adverse reproductive effects are anticipated.

**EFFECTS OF OVEREXPOSURE (INHALATION):** May cause headaches, nausea, and lack of coordination. May be harmful if inhaled.

**EFFECTS OF OVEREXPOSURE (EYES):** Causes severe eye irritation

**EFFECTS OF OVEREXPOSURE (SKIN):** May cause skin irritation.

**EFFECTS OF OVEREXPOSURE (INGESTION):** Aspiration can be a hazard if this material is swallowed. Causes vomiting, nausea, diarrhea. May be harmful if swallowed.

### PREVENTATIVE MEASURES

**STORAGE AND USE:** Store in a cool, well-ventilated area. Keep away from heat, sparks and filling" of containers. Keep away from children, prevent contact with eyes, and skin 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.

**STEPS TO BE TAKEN IN THE EVENT OF A SPILL, LEAK, OR RELEASE:** Eliminate all sources of ignition. Stop or reduce discharge if safe to do so. Prevent from entering watercourses or sewers. Ventilate enclosed spaces. **For large spills:** Warn public of potential downwind explosion hazard due to flashback of flammable Vapours. Contain by dyking for release to land, or damming for release to water. Recover product and collect contaminated soil or water for treatment and/or disposal. **Small spills:** Contain by applying absorbent. Collect waste absorbent and contaminated soil for disposal. For significant releases, contact appropriate regulatory authorities.

**SPECIAL ENGINEERING CONTROLS:** Local exhaust ventilation required.

**WASTE DISPOSAL METHOD:** 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.

**EYE PROTECTION:** CSA approved safety glasses with side shields or goggles.

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**RESPIRATORY PROTECTION:** A NIOSH/MSHA approved air-purifying respirator equipped with organic vapor cartridges near or below TLV. Air supplied respirator for higher or unknown concentrations.

**SKIN PROTECTION (HAND AND ARM):** PVC or rubber gloves.

**SKIN PROTECTION (FEET):** Rubber boots.

**SKIN PROTECTION (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.

### FIRST AID DATA

**FIRST AID (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.

**FIRST AID (INGESTION):** Contains petroleum distillate, DO NOT INDUCE VOMITING. Gastric lavage with cuffed endotracheal tube should be considered.

**FIRST AID (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. Obtain medical attention IMMEDIATELY.

**FIRST AID (EMERGENCY MEDICAL CARE):** Get medical attention.

**FIRST AID (EYES):** In case of contact, immediately flush eyes with plenty of water for 5 - 10 minutes and get medical attention.

### OTHER INFORMATION

**SPECIAL SHIPPING INFORMATION:** Observe applicable shipping and handling regulations.

**ADDITIONAL INFORMATION:** 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.

### TRANSPORT OF DANGEROUS GOODS DATA

**SHIPPING NAME:** < 454 LITRES NOT REGULATED  
**CLASSIFICATION:** Not Applicable **P.I.N.:** Not Applicable  
**PACKING GROUP:** Not Applicable

### PREPARATION DATA

**PREPARATION DATE:** 9/30/2006 **PREPARED BY:** Wayne Eastveld  
**DEPARTMENT:** Laboratory  
**PHONE NUMBER:** (204) 233-3461