

Viterra Inc.

Material Safety Data Sheet

Product: **Viterra MCPA Ester 600 Herbicide**

IDENTIFICATION & DESCRIPTION

PCP Act Reg. #: 29001
WHMIS CLASS (ES): B3, D2B
PHYSICAL STATE: Liquid
APPEARANCE & ODOUR: Brownish colour, "Solvent" odour
USES: Phenoxy (Broadleaf) Herbicide
MANUFACTURED FOR: Viterra Inc.
ADDRESS: 2625 Victoria Avenue
Regina, SK S4T 7T9
MANUFACTURED BY: Interprovincial Cooperative Limited
ADDRESS: 945 Marion St.
Winnipeg, Manitoba
R2J 0K7
EMERGENCY PHONE NO: (613) 996-6666 (Canutec) / (877) 943-2876 (Viterra)

PHYSICAL DATA

SPECIFIC GRAVITY: (@ 20°C): 1.0600
VAPOUR DENSITY: (Air = 1) **Exxsol D110:** > 7.5
SOLUBILITY IN WATER: Emulsifies
SOLUBILITY IN LIQUIDS: Not Established
FREEZING POINT: < 0°C
% VOLATILE BY VOLUME: Not Established
BOILING POINT: **Exxsol D110:** 237 - 277°C
ODOUR THRESHOLD (ppm): Not Established
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Established
VAPOUR PRESSURE: **Exxsol D110:** 0 KPa @ 20°C
EVAPORATION RATE: (n-butyl acetate = 1) **Exxsol D110:** < 0.001
PH: (1% sol'n) 4.3
VISCOSITY: (@ 20.0 C): 58.4 cps

CONTROLLED PRODUCTS LIST

MCPA Ester 600

LD50-ORAL:	1046 mg/kg Rat	LD50-DERMAL:	> 2000 mg/kg Rat
T.L.V. (ACGIH):	Not Established	LC50:Inhalation:	2.64 mg/L (4 hr, nose-only exposure) Rat

Non-Hazardous

C.A.S. #:	Not Established	% (W/W):	5 - 10
LD50-ORAL:	Not Established	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. #:	94-74-6	(W/W):	60 - 100
LD50-ORAL:	700 mg/kg Rat	LD50-DERMAL:	Not Established
T.L.V. (ACGIH):	Not Established	LC50:	Not Established

Exxsol D110 Fluid

C.A.S. #:	64742-47-8	% (W/W):	1 - 5
LD50-ORAL:	Not Established	LD50-DERMAL:	Not Established
T.W.A. (ACGIH): Total Hydrocarbons	1200 mg/m ³	LC50:	Not Established

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FIRE & EXPLOSION DATA

FLASH POINT & METHOD: (°C): 85 (Tag Closed Cup)

FLAMMABLE LIMITS (% IN AIR): Exxsol D110: Lower: 0.5%

Upper: 4.6%

AUTOIGNITION TEMPERATURE: Exxsol D110: 243°C

UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic fumes under high temperature conditions. Contain water from fire fighting to prevent entry into water supplies.

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: 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.

ROUTES OF ENTRY: Inhalation, Ingestion, Absorption through skin

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

EFFECTS OF OVEREXPOSURE (EYES): Mildly irritating

EFFECTS OF OVEREXPOSURE (SKIN): Slightly irritating

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

TOXICOLOGICAL INFORMATION: No specific antidote. Treatment of any systemic intoxication should be primary symptomatic and supportive. Contains petroleum distillates. Do not induce vomiting.

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: 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 suggested.

WASTE DISPOSAL METHOD: Dispose of waste materials in accordance with provincial regulations. Do not dispose of wastes in local sewer or with normal waste.

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 near or below TLV. Air supplied respirator above TLV or unknown concentrations.

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

SKIN PROTECTION (FEET): Rubber boots.

SKIN PROTECTION (BODY): Coveralls or long sleeve shirt and long pants.

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 (EMERGENCY MEDICAL CARE): Get medical attention in case of poisoning.

FIRST AID (SKIN): Remove contaminated clothing and wash skin thoroughly with soap and water.

FIRST AID (EYES): Flush with water IMMEDIATELY and continue for 15 minutes. Obtain medical attention or contact a poison control centre IMMEDIATELY.

FIRST AID (INGESTION): Do not induce vomiting but rush patient to nearest hospital or doctor's office or contact a poison control centre IMMEDIATELY.

FIRST AID (INHALATION): Move to fresh air and get medical attention or contact a poison control centre IMMEDIATELY.

TAKE CONTAINER, LABEL OR PRODUCT NAME AND PEST CONTROL REGISTRATION NUMBER WITH YOU WHEN SEEKING 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, VITERRA OR IPCO CANNOT GUARANTEE ITS ACCURACY AND ASSUMES NO RESPONSIBILITY FOR CONDITIONS RESULTING FROM ITS USE.

TRANSPORT OF DANGEROUS GOODS DATA

SHIPPING NAME: NOT REGULATED

CLASSIFICATION: Not Applicable

P.I.N.:

Not Applicable

PACKING GROUP: Not Applicable

PREPARATION DATA

PREPARATION DATE: 9/01/2009

PREPARED BY:

Wayne Eastveld

DEPARTMENT: Laboratory

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