

----- MATERIAL SAFETY DATA SHEET -----

PAR III  
United Agri

PAR III PCP# 19810

1. IDENTIFICATION OF PRODUCT

EMERGENCY NUMBERS:

During Working Hours: (UAP) 1-800-265-4624  
After Hours (Burns): 1-800-561-8273  
Canutec (Collect): 1-613-996-6666  
Exposure Reporting Minnesota Regional Poison Control  
Centre 1-800-228-5635, Ext. 136 or 1-612-851-8180, Ext.  
136 (Collect)

MANUFACTURER'S NAME: UNITED AGRI PRODUCTS  
789 DONNYBROOK DRIVE  
R.R. #2, DORCHESTER, ONTARIO  
NOL 1G5

CHEMICAL IDENTITY: Phenoxy herbicide (2,4-  
Dichlorophenoxyacetic acid, mecoprop + dicamba  
dimethylamine salt)

PRODUCT USE: Herbicide for turf.

2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS/ (CAS OR UN NUMBER)	APPROX. AOLD50 CONC.	ADLD50 (RAT)	AILC (RABBIT)	50(RAT)
2,4-D DMA Salt (CAS: 2008-39-1)	190 g/L mg/kg	625 mg/kg	2115 mg/kg	4540 ppm/6H
Mecoprop (CAS: 13791-92-9)	100 g/L mg/kg	650 mg/kg	900 mg/kg	n/e
Dicamba (CAS: 2300-66-5)	18 g/L mg/kg	2629 mg/kg	2000 mg/kg	>200 mg/L (4H)

3. PHYSICAL DATA

APPEARANCE & ODOUR: Straw yellow to dark brown, fishy odour  
of dimethylamine.

SPECIFIC GRAVITY: 1.0626 @ 20°C

BOILING PT°C: Approx. 100

VAPOUR DENSITY (air = 1): 0.021

DENSITY (g/mL): n/a

FREEZING PT°C: 0°C

VAPOUR PRESSURE (mm): 20.7 mm Hg

pH: 7.5 - 9.0

SOLUBILITY IN WATER: Miscible

EVAPORATION RATE: < Butyl Acetate

4. FIRE & EXPLOSION DATA

FLAMMABILITY (Specify Conditions): n/a

FLASH PT °C (method): n/a

MEANS OF EXTINCTION: Dry chemical, CO2, foam, water spray  
or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing  
equipment.

HAZARDOUS COMBUSTION PRODUCTS: Avoid noxious vapours under  
high temperature conditions. Water based, may boil, then  
burn.

UNUSUAL FIRE & EXPLOSION HAZARDS: Prevent water used in fire fighting from entering water supplies.

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#### 5. REACTIVITY DATA

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STABILITY (Conditions to avoid): Stable (excessive heat).

REACTIVITY & UNDER WHAT CONDITION: n/e

INCOMPATIBILITY (Materials to avoid): Strong oxidizers, acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, oxides of nitrogen, chlorine containing compounds and other unknown hazardous materials may be formed in a fire situation.

Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

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#### 6. TOXICOLOGICAL PROPERTIES

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ROUTES OF ENTRY: Skin and eye contact, skin absorption, acute inhalation and ingestion.

EFFECTS OF OVEREXPOSURE: May cause loss of appetite, nausea, vomiting, general tenseness and muscular weakness, and prolonged or repeated exposure may lead to liver or kidney damage or central nervous system symptoms.

EXPOSURE LIMITS: For 2,4-D acid TLV - TWA 10 mg/m<sup>3</sup>. For Dimethylamine 18 mg/m<sup>3</sup>.

IRRITANCY OF PRODUCT: Eyes: marked irritation and corneal injury may occur.

SENSITIZATION OF MATERIAL: Pre-existing skin or respiratory disorders may be aggravated by excessive exposure to this material.

CARCINOGENICITY: n/e

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#### 7. PREVENTATIVE MEASURES

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RESPIRATORY PROTECTION: If vapours may exceed acceptable levels, wear MSHA/NIOSH approved respirator or mask for protection against pesticide mists and vapours.

EYES: Goggles/Face Shield

GLOVES: Rubber or Impervious

FOOTWEAR: Rubber or Impervious

CLOTHING: Coveralls or Impervious apron when handling concentrate. Other: Work in well ventilated area.

ENGINEERING CONTROL: Use mechanical exhaust if ventilation not adequate.

LEAK & SPILL PROCEDURES: Contain spill, absorb liquid by covering with clay or other absorbent material; vacuum, scoop or sweep up wastes and place in container for disposal.

WASTE DISPOSAL: For more information on the disposal of unused, unwanted product and the cleanup of spills, contact the provincial regulatory agency or the manufacturer.

STORAGE REQUIREMENTS: Do not store near fertilizers, insecticides or fungicides. Protect from freezing.

TDG SHIPPING INFORMATION: Environmentally hazardous substance, liquid, n.o.s. (2,4-D), Class 9.2, UN 3082, P.G. III. (for packages and containers larger than 26.3

L) (under 26.3 L not regulated).

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#### 8. FIRST AID

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IF ON SKIN: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

IF IN EYES: Flush with running water for at least 15 minutes while holding eyelids open to help flush out material. Get medical attention.

INGESTION: Drink 1 - 2 glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. Call physician immediately or contact a poison control centre.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen; if breathing stops administer artificial respiration. Get medical attention immediately.

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PREPARED BY: Irwin Schmidt, 519/268-8001

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n/a = not applicable n/e = not established

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