

# MATERIAL SAFETY DATA SHEET

# PAR III® TURF HERBICIDE PCP# 27884

## 1. PRODUCT INFORMATION

### EMERGENCY NUMBERS

UNITED AGRI PRODUCTS CANADA INC.  
789 Donnybrook Drive  
Dorchester, Ontario  
N0L 1G5

During Working Hours (UAP) 1-800-265-4624  
After Hours 1-800-561-8273  
Canutec (Collect) 1-613-996-6666  
Chemtrec 1-800-424-9300  
Exposure Reporting –Prosar 1-800-301-7976

**Preparation of Information:** Irwin Schmidt, 1-800-265-4624

**Date Issued:** January 7, 2005

**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)	Content	AOLD <sub>50</sub> (Rat)	ADLD <sub>50</sub> (Rabbit)	AILC <sub>50</sub> (Rat)
2,4-D DMA Salt (CAS: 2008-39-1)	190 g/L	625 mg/kg	2115 mg/kg	4540 ppm/6H
Mecoprop-P DMA Salt(CAS: 13791-92-9)	100 g/L	650 mg/kg	900 mg/kg	n/e
Dicamba DMA Salt (CAS: 2300-66-5)	18 g/L	2629 mg/kg	2000 mg/kg	>200 mg/L (4H)

## 3. PHYSICAL INFORMATION

**Appearance & Odour:** Straw yellow to dark brown, fishy odour of dimethylamine.

**Specific Gravity:** 1.125 @ 20° C  
**Density (g/mL):** n/a  
**pH:** 7.5 - 9

**Boiling Pt°C:** Approx. 100  
**Freezing Pt°C:** 0  
**Solubility in Water:** Miscible

**Vapour Density (air = 1):** 0.021  
**Vapour Pressure (mm):** 20.7 mm Hg  
**Evaporation Rate:** < Butyl Acetate

## 4. FIRE or EXPLOSION HAZARD

**Flammability (Specify Conditions):** n/a

**Flash Pt °C (method):** n/a

**Means of Extinction:** Dry chemical, CO<sub>2</sub>, 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.

## 5. REACTIVITY INFORMATION

**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.

## 6. HEALTH HAZARD INFORMATION

**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

## 7. PREVENTATIVE MEASURES

**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

**Footwear:** Rubber or Impervious

**Gloves:** Rubber or Impervious

**Other:** Work in well ventilated area.

**Clothing:** Coveralls or Impervious apron when handling concentrate.

**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. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**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.

## 8. FIRST AID MEASURES

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**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.

## 9. TRANSPORTATION INFORMATION

**CANADA TDG-**Regulated for ground or rail transport if 454L or larger .Regulated for Marine Transport.

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D 17%) Class 9, UN 3082, P.G. III \*MARINE POLLUTANT\*

**US DOT-**If 454L or larger RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D 40%) Class 9, UN 3082, P.G. III. \*MARINE POLLUTANT\*

**IMDG (Marine)** \*MARINE POLLUTANT\*

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n/a = not applicable

n/e = not established