

Material Safety Data Sheet

Effective Date: 16-AUG-2006
Product: PRO-MATE WEED & FEED

I. IDENTIFICATION

Chemical Name: 2,4-D + MCPP + Dicamba
Chemical Family: Phenoxy herbicides
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: 2217-581-5905

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: Not determined
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Insoluble
Volatiles: Not determined
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Granules with slight phenoxy odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	0.55	10 mg/m3	Skin & eye irritant.
(+)-(R)-2-(2-Methyl-4-chlorophenoxy) propionic acid (MCPP)	93-65-2	0.12	N/E	Skin & eye irritant.
3,6-Dichloro-o-anisic acid (Dicamba)	1918-00-9	0.05	N/E	Skin & eye irritant.
Fertilizer (N-P-K) and inert ingredients.		99.28	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable
Autoignition Temp: Not applicable
Flammable Limit: Not determined
Extinguishing Media: Use foam, carbon dioxide, dry chemical or water extinguishing agents.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Keep run-off out of

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environmental waters.
Fire and Expl Hazard: Forms nitrogen oxides, sulphurous oxides and
hydrogen chloride gas upon burning.

V. HEALTH HAZARD

Carcinogen Information: See Section IX.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: May irritate the gastrointestinal tract if
ingested.
Skin Absorption: Not readily absorbed through intact skin.
Inhalation: May irritate the respiratory tract.
Skin contact: Contact may irritate the skin.
Eye Contact: Contact may cause eye irritation.
Chronic Effects: See Section IX.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a physician or poison control center for
treatment advice.
Skin: Bathe and shampoo with soap and water to remove
chemicals from skin and hair. If irritation
persists, seek medical attention. Launder
contaminated clothing separately, prior to
reuse.
Inhalation: Move to fresh air. Apply artificial respiration
if needed. If irritation persists, seek medical
attention.
Eyes: Flush eyes with clean water for 10-15 minutes,
holding eyelids open. If irritation persists,
seek medical attention.
Notes to Physician: Treat symptomatically. Chlorophenoxy compounds
are usually excreted in approximately 72
hours.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: None currently known.
Hazardous Combustion: If burned, nitrogen oxides, sulfurous oxides and

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hydrogen chloride gas may be formed.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Do not touch spilled material. Collect spilled product for reuse if possible. If other than original container is used, label new container for this product. Collect unusable material and place in proper drums for disposal. Wash area with water, if possible, then collect and place in containers with material for disposal.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: If exposure limits may be exceeded, wear a dust/mist filtering respirator (NIOSH approval number prefix TC-21C).

Ventilation: Good general ventilation required if not applied outdoors.

Gloves: Chemical-resistant gloves.

Eyes: Safety glasses with side shields or goggles.

Other: Eyewash station, long-sleeved shirt and long pants, shoes with socks.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Drift or runoff may adversely affect nontarget plants. Do not apply to water.

Other precaution: Carcinogen Note: IARC lists chlorophenoxy herbicides in its Group 2B (limited evidence for carcinogenicity in humans). The USEPA has given the chlorophenoxy herbicides 2,4-D, 2,4-DP, MCPP and MCPA a Class D classification (not classifiable as to human carcinogenicity). More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects.

This product contains:
11.0 lbs. 2,4-dichlorophenoxyacetic acid

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equivalent per ton.
2.4 lbs. (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton.
1.0 lbs. 3,6-dichlor-o-anisic acid equivalent per ton.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT in current package sizes.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Weed Killing, Solid (Herbicide),
N.O.I. (NMFC Item 50320, Class 60)

Chemical Name	Equivalent R.Q.
2,4-D (CAS No. 94-75-7)	100 lbs./45.4 kgs (18,182 pounds of the formulation)
Dicamba (CAS No. 1918-00-9)	1,000 lbs/454 kgs

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1 Fire: 0 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

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