

Material Safety Data Sheet

Effective Date: 03-AUG-2001

Product: PRO-MATE DIMENSION 0.10% PLUS FERTILIZER

I. IDENTIFICATION

Chemical Name: Not applicable, formulated mixture.
Chemical Family: Dithiopyr Herbicide with Granular Fertilizer
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: 5905-537

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: Not determined
Volatiles: Not determined
Evaporation: Not applicable
Melting Point: Not determined
Appearance: Gray/brown granules with slight ammonia odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Dithiopyr	97886-45-8	0.10	N/E	Skin & eye irritant
Inert ingredients, including formulated mixture of Fertilizer (N-P-K)		99.90	N/E	Skin & eye irritant

NOTE: N/E = Not Established

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >500 Degrees F.
Autoignition Temp: Not applicable
Flammable Limit: Not determined
Extinguishing Media: Foam, carbon dioxide, or dry chemical. If
necessary soft stream water fog may be used. Be
sure to contain all runoff.
Special Fire Fight Proc: Wear full protective clothing and self-
contained breathing apparatus.
Fire and Expl Hazard: May produce ammonia, carbon dioxide, carbon
monoxide, or carbon disulfide under fire

Material Safety Data Sheet

Effective Date: 03-AUG-2001

Product: PRO-MATE DIMENSION 0.10% PLUS FERTILIZER

conditions.

V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, OSHA, or NTP.

ACUTE EFFECTS OF OVER EXPOSURE

- Swallowing: May be harmful if swallowed, slightly toxic by ingestion. Oral LD50 (rat) = 3,600 mg/kg.
- Skin Absorption: Absorption not likely through intact skin. Dermal LD 50 (rabbit) > 5,000 mg/kg.
- Inhalation: Practically non-toxic by inhalation. Inhalation LC50 (rat) = 11 mg/L for 4 hrs.
- Skin contact: Skin contact with dithiopyr (Dimension) can cause severe skin irritation. May cause skin sensitization in susceptible individuals. Prolonged or repeated skin contact with dithiopyr (Dimension) can cause defatting and drying of the skin.
- Eye Contact: Substantial irritation can occur with direct contact in eyes.
- Chronic Effects: Repeated overexposure to dithiopyr (Dimension) can cause kidney or liver effects, blood effects, thyroid damage, or adrenal effects. As used in this fertilizer mixture, however, chronic effects are expected to be minimal.
- Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

- Swallowing: If ingested, seek medical attention. Induce vomiting by giving 1 or 2 glasses of water to drink and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
- Skin: Immediately wash affected area with soap and water. If irritation develops or persists, seek medical treatment.
- Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration and get prompt medical attention.
- Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. If irritation persists, get medical attention.
- Notes to Physician: There is no specific antidote for the dithiopyr (Dimension) in this mixture.

Material Safety Data Sheet

Effective Date: 03-AUG-2001

Product: PRO-MATE DIMENSION 0.10% PLUS FERTILIZER

Treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Oxidizing agents. Keep product dry to avoid hardening or clumping.
Hazardous Combustion: May produce ammonia, carbon dioxide, carbon monoxide, and carbon disulfide under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: For small spills, sweep up and reuse product, if uncontaminated. If contaminated, place in an approved chemical container for proper disposal. Do not contaminate water supplies, lakes, streams, or ponds by allowing product spillage or by disposing of wash waters.
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: Wear dust mask if material is dusty.
Ventilation: None normally needed.
Gloves: Heavy duty work gloves.
Eyes: Chemical goggles, safety glasses w/side shields.
Other: Long sleeve shirt and long pants, shoes plus socks, eyewash station and shower.

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. Wash thoroughly after product use. Launder contaminated clothing separately before

Material Safety Data Sheet

Effective Date: 03-AUG-2001

Product: PRO-MATE DIMENSION 0.10% PLUS FERTILIZER

reuse.
Other precaution: Store in original containers in a cool, dry place away from sources of moisture. If product becomes wet, it may harden or clump proving to be unusable.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA, or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None required
Freight Class: Compound, Fertilizer (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)
Chemical Name Equivalent R.Q.
Not applicable Not applicable

XI. GENERAL PRODUCT INFORMATION

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

Health: 2 Fire: 1 Reactivity: 0

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

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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.