Helena Chemical Company 03-APR-2003 08:04:55 PH: 901-761-0050 Page 1 Of 4 CHEMTREC: 800-424-9300 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 _____ CAS Number Percent TLV Hazard Material _____ ----- ----- ------97886-45-8 0.10 N/E Skin & eye Dithiopyr irritant 99.90 N/E Skin & eye Inert ingredients, including formulated mixture of irritant Fertilizer (N-P-K) 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 selfcontained breathing apparatus. Fire and Expl Hazard: May produce ammonia, carbon dioxide, carbon monoxide, or carbon disulfide under fire

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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.

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Helena Chemical Company 03-APR-2003 08:04:55 PH: 901-761-0050 Page 4 Of 4 CHEMTREC: 800-424-9300 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) Equivalent R.Q. Chemical Name _____ _____ 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) Delayed (Chronic) Health: Y Immediate (Acute) 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.