



## Safety Data Sheet

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Date **04-May-15**

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### 1. Identification

**Product Name** : PRO-MATE DIMENSION 0.22% PLUS FERTILIZER  
**Synonyms** : None  
**Product Use** : Dithiopyr Herbicide with Granular Fertilizer  
**Manufacturer/Supplier** : Helena Chemical Company  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification



**Signal Word** : Warning  
**Skin Irritation** : Causes skin irritation.  
**Eye Irritation** : Causes serious eye irritation.  
**Acute Toxicity Oral** : May be harmful if swallowed.  
**Acute Toxicity Dermal** : May be harmful in contact with skin.  
  
**Hazard Categories** : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 2  
  
**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
Causes serious eye irritation  
Causes skin irritation  
May be harmful if inhaled

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Dithiopyr	97886-45-8	0.22
Inert ingredients, including formulated mixture of Fertilizer (N-P-K)	Proprietary	99.78

### 4. First Aid Measures

**Eye** : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.  
**Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.  
**Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
**Ingestion** : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.  
**Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically.

### 5. Fire Fighting Measures



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**Extinguishing Media** : Foam, carbon dioxide or dry chemical. If necessary, soft stream water fog may be used. Be sure to contain all runoff.  
**Specific Hazards Arising from the Chemical** : May produce ammonia, carbon dioxide, and carbon disulfide under fire conditions.  
**Special Fire Fight Proc** : Wear full protective clothing and self-contained breathing apparatus.

### 6. Accidental Release Measures

**Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.  
**Protective Equipment** : Safety glasses, splashproof goggles or face shield; heavy duty work gloves; long-sleeved shirt and long pants; shoes plus socks. Wear dust mask in dusty conditions. Eyewash and emergency shower should be available in work area.  
**Emergency Procedures** : Contain spilled product to prevent spreading into waterways, drains or sewers.  
**Methods and Materials for Containment and Cleanup** : For small spills, sweep up and reuse product, if uncontaminated. If contaminated, place in an approved chemical waste container for proper disposal. Do not contaminate water supplies, lakes, streams or ponds by allowing product spillage or by disposal of wash waters.

### 7. Handling and Storage

**Precautions for Safe Handling** : Keep out of reach of children. Avoid contact eyes and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.  
**Conditions for Safe Storage** : Do not store with food, feed or other material to be used or consumed by humans or animals. Store in original container only. Store in a cool, dry, secured area.

### 8. Exposure Controls / Personal Protection

**TLV/PEL** : Not established for mixture.  
**Appropriate Engineering Controls** : None normally needed.  
**Personal Protective Equipment** : Safety glasses, splashproof goggles or face shield; heavy duty work gloves; long-sleeved shirt and long pants; shoes plus socks. Wear dust mask in dusty conditions. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

**Odor/Appearance** : Grey/brown granules; slight ammonia odor.  
**Flash Point, °F** : Not flammable  
**Boiling Point, °F** : No information found  
**Melting Point(Freezing point), °C** : Melting point >500 Degrees F.  
**Vapor Pressure, mm Hg @ 20 °C** : No information found  
**Vapor Density** : No information found  
**Solubility in Water** : No information found  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : No information found  
**Evaporation Rate(Butyl Acetate = 1)** : Not applicable  
**Octanol/Water Partition Coefficient** : No information found  
**pH** : Not applicable (non-aqueous)  
**Flammable Limits (approximate volume % in air)** : No information found  
**Auto-ignition Temperature** : Not applicable



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**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition** : May produce ammonia, carbon dioxide, and carbon disulfide under fire conditions.  
**Products**  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known  
**Incompatible Materials** : Oxidizing agents. Keep product dry to avoid hardening or clumping.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : 3,600 mg/kg (rat). May be harmful if swallowed.  
**Acute Toxicity (Dermal LD50)** : >5,000 mg/kg (rabbit). May be harmful in contact with skin.  
**Acute Toxicity Inhalation LC50** : 11 mg/L/4 hours (rat). May be harmful if inhaled.  
**Likely Routes of Exposure** : Eyes, inhalation, skin  
**Skin Irritation** : Causes skin irritation.  
**Eye Irritation** : Causes serious eye irritation.  
**Skin Sensitization** : Not a skin sensitizer.  
**Carcinogenic** : Not listed by IARC, OSHA or NTP.  
**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 Hazards** : None currently known.

### 12. Ecological Information

**Ecotoxicity** : No information found  
**Persistence and Degradability** : No information found  
**Bioaccumulative Potential** : No information found  
**Mobility in Soil** : No information found  
**Other Adverse Effects** : No information found

### 13. Disposal Considerations

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

### 14. Transport Information

**UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : No information found  
**Transport in Bulk** : No information found  
**Special Precautions for Transportation** : None



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**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

### 15. Regulatory Information

**National Fire Protection  
Association Rating**

Health: 2 Fire: 1 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

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

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

**FIFRA Information** : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Registration Number** : 5905-538

**FIFRA Signal Word** : Caution

**FIFRA Label Statement** : Causes eye irritation.

**FIFRA Label Statement** : Harmful if inhaled.

**FIFRA Label Statement** : Avoid contact with eyes or clothing.

**FIFRA Label Statement** : Avoid breathing dust.

**FIFRA Label Statement** : Wash thoroughly with soap and water after handling.

**FIFRA Label Statement** : Remove contaminated clothing and wash before reuse.

**FIFRA Label Statement** : Prolonged/frequently repeated skin contact while handling this material may cause allergic reaction.

### 16. Other Information

**Data of Preparation/Revision** : 04-May-2015