



Safety Data Sheet

Report Date 09-Dec-21

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1. Identification

Product Name : PRO-MATE PRODIAMINE 0.22% PLUS FERT 33-0-4 w/ CALIBER COTE (CALIB012)
Synonyms : None
Product Use : Preemergent Herbicide plus Slow Release Fertilizer
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
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 (no symbol)
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes eye irritation.
Acute Toxicity Oral : LD50 >5,000 mg/kg (rat) for active ingredient
Acute Toxicity Dermal : LD50 >2,000 mg/kg (rat) for active ingredient

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2B/3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
May be harmful if inhaled
Causes eye irritation
Causes mild skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Prodiamine	29091-21-2	0.22
Blend of plant nutrients derived from Urea, Polymer Coated Urea, Muriate of Potash.	Proprietary	99.78
GUARANTEED ANALYSIS:		
Total Nitrogen (N):		33.00%
33.00% Urea Nitrogen		
Soluble Potash (K ₂ O):		4.00%

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 : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures



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- Extinguishing Media** : Use water spray, foam or dry chemical extinguishing agents.
Specific Hazards Arising from the Chemical : None known.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area. Dust respirator may be needed.
Emergency Procedures : Contain spilled product. Do not contaminate water supplies, lakes, streams, ponds or drains.
Methods and Materials for Containment and Cleanup : Sweep and reuse small amounts of spilled product, if uncontaminated. If contaminated, collect and place in a suitable chemical waste container for proper disposal. Spill area can be washed down with a solution of water and strong detergent. Absorb wash waters and place in container with other collected material.

7. Handling and Storage

- Precautions for Safe Handling** : Do not contaminate water, food or feed by storage, handling or disposal.
Conditions for Safe Storage : Store in original container away from other fertilizer, feed, or foodstuffs and separated from other pesticides.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for active ingredient.
Appropriate Engineering Controls : Good general ventilation should be sufficient.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area. Dust mask may be needed.

9. Physical and Chemical Properties

- Odor/Appearance** : Granular solid with mild odor.
Flash Point, °F : No information found
Boiling Point, °F : No information found
Melting Point(Freezing point), °C : No information found
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
Flammable Limits (approximate volume % in air) : No information found
Auto-ignition Temperature : Not determined



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Decomposition temperature : No information found

10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : May produce oxides of carbon and nitrogen, as well as hydrogen fluoride, under fire conditions.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid exposure to heat sources and oxidizing agents.
- Incompatible Materials** : Incompatible with oxidizing agents.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat) for prodiamine. May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >2,000 mg/kg (rat) for prodiamine. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : No LC50 available. Low inhalation toxicity is expected. May be harmful if inhaled.
- Likely Routes of Exposure** : Eyes, skin
- Skin Irritation** : Causes mild skin irritation.
- Eye Irritation** : Causes eye irritation.
- Skin Sensitization** : Not a skin sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : Liver and thyroid effects have been experienced at high dose levels of prodiamine. However, this material contains only a small amount of prodiamine so chronic effects are not expected.
- 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** : No information found



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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: 1 Fire: 0 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: N
Sudden Release of Pressure: N
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 : 5905-543

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Causes moderate eye injury (irritation).

FIFRA Label Statement : Harmful if inhaled or absorbed through the skin.

FIFRA Label Statement : Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

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

FIFRA Label Statement : Prolonged or frequently repeated skin contact while

FIFRA Label Statement : handling the material may cause allergic reactions in some individuals.

16. Other Information

Data of Preparation/Revision : 09-December-2021