

Material Safety Data Sheet

Effective Date: 12-AUG-2013

Product: PRO-MATE BARRICADE 0.375% PLUS FERTILIZER

I. IDENTIFICATION

Chemical Name: Not applicable, formulated mixture.  
Chemical Family: Prodiamine with Granular Fertilizer  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: 5905-535

II. PHYSICAL DATA

Boiling Point: Not applicable  
Freezing Point: Not applicable  
Spec Gravity: Not determined  
Vapor Pressure: Not determined  
Vapor Density: Not applicable  
Solubility: Not determined  
Volatiles: Not determined  
Evaporation: Not applicable  
Melting Point: Not determined  
Appearance: Greenish-yellow granules with fertilizer odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Prodiamine	29091-21-2	0.375	N/E	Skin & eye irritant
Inert ingredients, including formulated mixture of Fertilizer (N-P-K)		99.625	N/E	Skin & eye irritant

NOTE: N/E = Not Established

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable  
Autoignition Temp: Not determined  
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. Evacuate nonessential personnel from area to prevent human exposure to fire, smoke, or products of

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Fire and Expl Hazard: May produce oxides of nitrogen, hydrogen fluoride, and carbon monoxide under fire conditions.  
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V. HEALTH HAZARD  
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Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: Low oral toxicity is expected. Oral LD50 (rat) >5,000 mg/kg for prodiamine (BARRICADE). Ingestion may result in gastrointestinal irritation.  
Skin Absorption: Low dermal toxicity is expected. Dermal LD50 (rat) >2,000 mg/kg for prodiamine (BARRICADE).  
Inhalation: Low inhalation toxicity is expected. No Inhalation LC50 data is currently available.  
Skin contact: Material is expected to be mildly irritating upon contact with skin. Direct skin contact may cause redness or itching.  
Eye Contact: Material may be mildly irritating to eyes. Contact may cause tearing or burning.  
Chronic Effects: Liver and thyroid effects have been experienced at high dose levels of prodiamine (BARRICADE). However, this mixture contains only a small amount of prodiamine (BARRICADE) so chronic effects are not anticipated.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: If victim is fully conscious, give 2-3 glasses of water to drink and induce vomiting. Seek medical attention.  
Skin: Wash affected area with soap and water. Do not apply any ointments or gels, except on the advice of a physician. If irritation persists, consult a physician.  
Inhalation: Move victim to fresh air. If irritation persists, seek medical treatment.  
Eyes: Immediately flush eyes with water for at least 15 minutes, holding eyelids wide open. If irritation persists, consult a physician.  
Notes to Physician: There is no specific antidote for the prodiamine (BARRICADE) in this mixture. Treatment should be directed toward control of

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the symptoms and the clinical condition of the patient.  
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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: Oxidizing agents and exposure to heat sources.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: Oxidizing agents.  
Hazardous Combustion: Fertilizer materials may produce oxides of nitrogen, hydrogen fluoride, and carbon monoxide under fire conditions.

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VII. SPILL OR LEAK PROCEDURES  
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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. Spill are can be washed down with water containing a strong detergent then absorb liquids with clay granules and place in chemical container with other collected material. Do not allow washwaters or spilled product to contaminate water supplies or to runoff property.  
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: If dusts or mists are present, use NIOSH/MSHA approved air-purifying particulate respirator.  
Ventilation: Good general ventilation should be sufficient.  
Gloves: Impervious (neoprene, nitrile rubber, PVC).  
Eyes: Chemical goggles, safety glasses w/side shields.  
Other: Long sleeve shirt and long pants, shoes plus socks, eyewash station and shower.

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IX. SPECIAL PRECAUTIONS  
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Special precaution: Keep out of reach of children. Do not store

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with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds. Store in well-ventilated area. Prevent eating, drinking, tobacco usage, or cosmetic application in areas where there is the potential for exposure.

Other precaution: Do not allow runoff of cleanup waters or process areas which may contaminate lakes, streams, or ponds.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA, or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Fertilizing Compound, (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: 1                      Fire: 1                      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: Y
Reactive: N	

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