

Material Safety Data Sheet

Effective Date: 09-OCT-2003

Product: PRO-MATE BARRICADE 0.22% 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: 5905-543

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	0.22	N/E	Skin & eye irritant
Ingredients inert as pesticide, including formulated mixture of Fertilizer (N-P-K).		99.78	N/E	Skin & eye irritant

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

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exposure to fire, smoke or products of
combustion.

Fire and Expl Hazard: May produce oxides of nitrogen, hydrogen
fluoride and carbon monoxide under fire
conditions.

V. HEALTH HAZARD

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

ACUTE EFFECTS OF OVER EXPOSURE

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 the 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

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 attention.

Eyes: Immediately flush eyes with water for at least
15 minutes, holding eyelids open. If irritation
persists, consult a physician.

Notes to Physician: There is no specific antidote for the

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prodiamine (Barricade) in this mixture.
Treatment should be directed toward control of
the symptoms and the clinical condition of the
patient.

VI. REACTIVITY

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.

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 waste container for proper
disposal. Spill area can be washed down with
water containing a strong detergent then
absorbed with clay granules. Collect and place
in same containers with other collected
material. Do not allow wash waters 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.

VIII. SPECIAL PROTECTION INFORMATION

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.

IX. SPECIAL PRECAUTIONS

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

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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. 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: 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: 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: N

Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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