

Material Safety Data Sheet

Effective Date: 28-AUG-2008

Product: PRO-MATE PRODIAMINE 0.29% PLUS FERTILIZER

I. IDENTIFICATION

Chemical Name: Prodiamine
Chemical Family: Prodiamine with Granular Fertilizer
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: 29091-21-2 (prodiamine)
EPA Number: 5905-573

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: Not determined
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Solubility: 100%
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	0.29	N/E	Skin & eye irritant.
Ingredients inert as pesticide, including formulated mixture of fertilizer (N-P-K).		99.71	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Use 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 exposure to fire, smoke or combustion

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byproducts.

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

V. HEALTH HAZARD

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

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Low oral toxicity is expected. Ingestion may result in gastrointestinal irritation and upset.

Skin Absorption: Low dermal toxicity is expected.

Inhalation: Low inhalation toxicity is expected.

Skin contact: Material is expected to be mildly irritating with repeated or prolonged skin contact. Redness or itching may occur from overexposure.

Eye Contact: Material may be mildly irritating to the eyes. Contact may cause tearing or burning.

Chronic Effects: High dose levels of prodiamine have caused liver and thyroid effects in test animals. However, this mixture contains only a small amount of prodiamine so chronic effects are not expected.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If fully conscious, give 2 to 3 glasses of water to drink and induce vomiting. Seek medical attention.

Skin: Wash affected area with soap and water. Do not apply ointments or gels, unless doctor directed. If irritation persists, seek medical attention.

Inhalation: Move to fresh air. If irritation persists, seek medical attention.

Eyes: Immediately flush eyes with water, continuing for at least 15 minutes while holding the eyelids apart. If irritation persists, seek medical attention.

Notes to Physician: There is no specific antidote for this material. Treatment should be directed toward control of the symptoms and the clinical condition of the patient.

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VI. REACTIVITY

Stability: Stable

Conditions to Avoid: Avoid oxidizing agents and exposure to heat sources.

Polymerization: Will Not Occur

Conditions to Avoid: None currently known.

Incompatibility material: Incompatible with oxidizing agents.

Hazardous Combustion: May produce hydrogen fluoride, oxides of nitrogen and oxygen under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: For small spills, sweep up and reuse product, if uncontaminated. If contaminated, collect and place in an approved chemical waste container for proper disposal. Spill area can be decontaminated with water containing a strong detergent, then absorbed with an inert absorbent. 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-approved air-purifying particulate respirator.

Ventilation: Good general ventilation should be sufficient.

Gloves: Impervious gloves.

Eyes: Chemical goggles or shielded safety glasses.

Other: Long sleeve shirt and long pants, shoes plus socks, eyewash station and emergency shower.

IX. SPECIAL PRECAUTIONS

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

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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 as this 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

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