

Material Safety Data Sheet

Effective Date: 14-AUG-2003

Product: PRO-MATE MERIT 0.2% PLUS TURF FERTILIZER (432-1349-5905)

I. IDENTIFICATION

Chemical Name: Fertilizer with MERIT Insecticide  
Chemical Family: Inorganic Fertilizer with Pesticide  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: 432-1349-5905

II. PHYSICAL DATA

Boiling Point: Not applicable  
Freezing Point: Not applicable  
Spec Gravity: Not determined  
Vapor Pressure: Not determined  
Vapor Density: Not determined  
Solubility: Soluble  
Volatiles: Not determined  
Evaporation: Not applicable  
Melting Point: Not determined  
Appearance: Grayish granules with low or no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Imidacloprid	138261-41-3	0.20	N/E	Eye, respiratory irritant
Turf Fertilizer and Inert Ingredients		99.80	N/E	Eye & skin irritant

NOTE: Turf Fertilizer Typical Composition

Total Nitrogen (N) = 15.00% - 28.00%  
Total Phosphorous (P2O5) = 0.00% - 4.00%  
Total Potash (K2O) = 4.00%- 14.00%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable  
Autoignition Temp: Not established  
Flammable Limit: Not established  
Extinguishing Media: Use water, carbon dioxide, dry chemical or foam.  
Special Fire Fight Proc: Use positive pressure self-contained breathing

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apparatus with full protective clothing. Fight fire from an upwind position. Contain run-off by diking to prevent entry into sewers or water supplies.

Fire and Expl Hazard: Imidacloprid may produce toxic gases under fire conditions. There is a strong exothermal reaction above 200 Degrees C. for Imidacloprid.

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V. HEALTH HAZARD

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Carcinogen Information: Not determined.

ACUTE EFFECTS OF OVER EXPOSURE

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Swallowing: Imidacloprid may be mildly toxic if ingested.  
Skin Absorption: Fertilizer components may be irritating to skin. Imidacloprid is not a dermal irritant or skin sensitizer.  
Inhalation: Dusts may irritate the respiratory tract, including nose, throat and lungs.  
Skin contact: Skin irritation by fertilizer components may result from prolonged exposure.  
Eye Contact: Imidacloprid is mildly irritating to the conjunctiva of the eyes but irritation is reversible within seven (7) days.  
Chronic Effects: No specific symptoms of overexposure to Imidacloprid are known.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: Call a physician or poison control center immediately. If conscious, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.  
Skin: Remove contaminated clothing. Wash affected areas with soap and water. If irritation persists, get medical attention.  
Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration and get medical attention as soon as possible.  
Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists or develops after eye washing.  
Notes to Physician: In the event of an adverse response, treatment

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should be directed toward control of the symptoms and the clinical condition of the patient.  
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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: Strong exothermal reaction above 200 Degrees C.  
(for Imidacloprid).  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: None currently known.  
Hazardous Combustion: Imidacloprid may produce hydrogen chloride,  
hydrogen cyanide, carbon monoxide or nitrogen  
oxide under fire conditions.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Isolate spill area and keep unauthorized people  
away. Do not walk through spilled material.  
Avoid breathing dusts and contact with skin.  
Avoid generating dusts by using a floor  
sweeping compound. Use protective equipment  
recommended in Section VIII when sweeping up  
spilled materials. Place in a covered container  
for reuse, if uncontaminated. If contaminated,  
place in a salvage drum for proper disposal.  
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: None needed under normal conditions.  
Ventilation: General or local exhaust normally sufficient.  
Gloves: Chemical-resistant gloves.  
Eyes: Chemical workers' goggles.  
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  
with food, feed or other material to be used or  
consumed by humans or animals. Do not  
contaminate water supplies, sewers, lakes,

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streams or ponds.

Other precaution: Notice: Formerly produced under EPA Reg. No.  
3125-474-5905.

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: 0

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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