

Material Safety Data Sheet

Effective Date: 12-AUG-2003

Product: PRO-MATE TURF NECTAR AC 15-0-0

I. IDENTIFICATION

Chemical Name: Urea Nitrogen and Ferrous Sulfate Heptahydrate
Chemical Family: Inorganic liquid fertilizer
Formula: Not applicable
Synonyms: None
CAS Number: Not applicable, formulated mixture
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >212 Degrees F.
Freezing Point: <32 Degrees F.
Spec Gravity: 1,341 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 99%
Volatiles: <0.1
Evaporation: Non-volatile
Melting Point: Not applicable
Appearance: Clear, light green liquid, sulfurous odor

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Urea Nitrogen, Ferrous Sulfate Heptahydrate and water.	N/A	100.00	5 mg/m3	Skin & eye irritant

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Noncombustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Noncombustible liquid. Use extinguishing media for underlying cause of fire.
Special Fire Fight Proc: Use positive pressure self-contained breathing apparatus with full protective clothing. Use water spray to keep fire exposed containers cool.
Fire and Expl Hazard: Decomposes on heating to nitrogen oxides

V. HEALTH HAZARD

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Carcinogen Information: Not listed

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion results in vomiting and abdominal cramps.
Skin Absorption: None currently known.
Inhalation: May cause minor irritation to the mucous membranes.
Skin contact: Repeated or prolonged exposure may cause minor irritation.
Eye Contact: Direct contact with liquid will cause irritation.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Immediately drink a large amount of water and induce vomiting. Consult a physician or poison control center.
Skin: Wash skin thoroughly with soap and water. Obtain medical attention if irritation develops.
Inhalation: Move to fresh air. Obtain medical attention if irritation develops.
Eyes: Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention if irritation develops or persists.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Areas of extreme heat
Polymerization: Will Not Occur
Conditions to Avoid: None currently known
Incompatibility material: Hypochlorite bleach, strong acids and alkalis
Hazardous Combustion: May produce nitrogen oxide and oxides of carbon under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product. Reuse material if uncontaminated. If contaminated, absorb

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CHEMTREC: 800-424-9300

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material with an absorbent such as clay or sand
and place in suitable container for proper
disposal. Do not contaminate water supplies.
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: None normally needed. If mist concentrations
exceed recommended permissible exposure limits
use NIOSH/MSHA approved respirator.
Ventilation: Local exhaust normally sufficient
Gloves: Impervious
Eyes: Goggles or face shield
Other: Eye wash station, impervious apron and footwear.

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.
Other precaution: None currently known

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, unless 1,428 gallons in a
single container.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None required
Freight Class: Compound, Fertilizer (Manufactured Fertilizer)
Liquid, NOIBN

Chemical Name

Equivalent R.Q.

Ferrous Sulfate Heptahydrate

1000 lb (454 kg)

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XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

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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responsibility. It is offered solely for your consideration, investigation
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