

Material Safety Data Sheet

Effective Date: 18-APR-2011
Product: TRAFIX POLY-GROW 7-28-4

I. IDENTIFICATION

Chemical Name: NPK Fertilizer and Micronutrient Chelate
Solution
Chemical Family: Plant Nutrients
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: Not required

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.358 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 100%
Volatiles: <5%
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Black liquid with musty odor.

III. INGREDIENTS

Material	CAS Number	Percent TLV	Hazard
Proprietary blend of N-P-K and Micronutrient Chelates in an Aqueous Solution. Typical Composition: Total Nitrogen (N): 7.00% Phosphate (P2O5): 28.00% Soluble Potash (K2O): 4.00% Less than 1% each: Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn), Molybdenum (Mo), and Zinc (Zn). Also contains 2% Humic Acids, 1% Ammonium Carboxylates, and 1% Glycine.		100.00	Skin, eye & respiratory irritant

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible

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Autoignition Temp: Not applicable
Flammable Limit: Not determined
Extinguishing Media: Non-combustible product. Use extinguishing media appropriate for underlying cause of fire.
Special Fire Fight Proc: Wear a self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: May product metal oxides, phosphorous oxides, nitrogen oxides, ammonia, cyanuric acid, and toxic volatile organic compounds under fire conditions.

V. HEALTH HAZARD

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

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: May cause irritation of the gastrointestinal tract, cramps, vomiting, convulsions, or diarrhea.
Skin Absorption: Not readily absorbed through intact skin.
Inhalation: May cause irritation of the respiratory tract.
Skin contact: May cause irritation upon contact with skin.
Eye Contact: May cause severe eye irritation.
Chronic Effects: Chronic ingestion/inhalation may cause damage to the respiratory tract, liver, heart, and blood-forming tissues.
Other Hazard: Ingestion of large quantities of this product may cause headache, mental impairment, or dizziness. Ingestion may be fatal.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Drink milk or large amounts of water. Seek immediate medical attention.
Skin: Wash affected areas promptly with soap and water. If irritation persists, seek medical attention.
Inhalation: Remove victim to fresh air. If irritation persists, seek medical attention.
Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. Seek medical attention immediately.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms.

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VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Evaporation to dryness.
Polymerization: Will Not Occur
Conditions to Avoid: Evaporation to dryness.
Incompatibility material: None currently known.
Hazardous Combustion: May produce metal oxides, phosphorous oxides,
nitrogen oxides, ammonia, cyanuric acid, and
toxic volatile organic compounds under fire
conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain product and reuse if uncontaminated.
If contaminated, absorb material with an
absorbent such as clay or sand, and place in a
suitable salvage drum for disposal. Do not
contaminate water supplies, lakes, streams, or
ponds.
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 needed, wear a NIOSH/MSHA approved
respirator.
Ventilation: General or local exhaust normally sufficient.
Gloves: Chemical-resistant gloves.
Eyes: Chemical goggles or safety glasses w/side
shields.
Other: Emergency shower, 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: Store in properly labeled, corrosion-resistant
containers. Use in accordance with labeling

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instructions.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Fertilizer (Manufactured
Fertilizer), Liquid, NOIBN (NMFC Item 68140,
Sub 6, Class 70)

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: 2 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: Y
Sudden Release of pressure: N Fire: Y
Reactive: N

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