

# MATERIAL SAFETY DATA SHEET



In the event of a medical or chemical emergency contact  
ChemTel, Inc. North American 1-800-255-3924 or worldwide  
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, Texas 75418

Effective Date: May 17, 2012

## Ferti-lome® Pro Green Lawn Tonic

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Ferti-lome Pro Green Lawn Tonic  
**CHEMICAL FAMILY:** Inorganic salt  
**FORMULA:** Mixture

#### COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, TX. 75418

### 2. INGREDIENTS:

CHEMICAL COMPONENT	% (TYPICAL)
Total Nitrogen (N)	16.00%
Sulfur (S)	18.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
Iron (Fe)	2.00%
Manganese (Mn)	0.05%
Zinc (Zn)	0.05%

### 3. PHYSICAL DATA:

BOILING POINT (°F) Does not apply	SPECIFIC GRAVITY (H <sub>2</sub> O=1) Not 1.77	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) Not determined	VAPOR DENSITY (AIR=1) Not determined	EVAPORATION RATE (ethyl ether=1) Not determined
SOLUBILITY IN WATER Appreciable	REACTIVITY IN WATER Will not evolve flammable or toxic gases	
APPEARANCE AND ODOR Multi-colored granules		

### 4. FIRE AND EXPLOSION DATA:

FLASH POINT (°F) Does not apply	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Not determined Upper: Not determined	
EXTINGUISHING MEDIA Water spray, CO <sub>2</sub> , Halon, foam, dry chemical	AUTO IGNITION TEMPERATURE Does not apply	
UNUSUAL FIRE AND EXPLOSION HAZARDS If mixed with oxidizers like potassium chlorate, potassium nitrite, or potassium nitrate, there is an explosion hazard.		
SPECIAL FIRE FIGHTING PROCEDURES Utilize self-contained breathing apparatus with full-face piece operated in pressure demand or other positive pressure mode. Melts and decomposes with emission of a mixture of ammonia and sulfur trioxide at about 235 degrees C (455 degrees F).		

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### 5. HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Inhalation, irritant, eye and skin contact, ingestion.		
SIGNS AND SYMPTOMS OF EXPOSURE		
(1) ACUTE OVEREXPOSURE Inhalation of dusts and vapors may cause irritation of the throat, coughing and shortness of breath. Direct contact with the skin may cause irritation with redness. Eye contact may result in redness and pain. Ingestion may cause sore throat, abdominal pain, nausea and vomiting.		
(2) CHRONIC OVEREXPOSURE Repeated or prolonged skin contact may cause dermatitis. Repeated or prolonged eye contact may cause conjunctivitis.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Disorders of respiratory system, skin, nose and throat.		
CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN None		
NTP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IARC <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	OSHA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
OTHER EXPOSURE LIMITS TLV (nuisance dusts) = 10 mg/m <sup>3</sup> ; OSHA PEL (nuisance dusts) = 15 mg/m <sup>3</sup>		
EMERGENCY AND FIRST AID PROCEDURES INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. EYE OR SKIN CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse. INGESTION: Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.		

### 6. REACTIVITY DATA:

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID Excessive heat-decomposes at 235 degrees C (455 degrees F).
INCOMPATIBILITY (Materials to Avoid) Oxidizers such as potassium chlorate, potassium nitrate, sodium hypochlorite.	
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition produces gaseous ammonia and oxides of sulfur. May also produce toxic oxides of nitrogen.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	.

### 7. SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED Scoop or shovel solid material into a suitable, labeled container for recovery or disposal. Utilize protective equipment. Remove contaminated clothing promptly and wash exposed skin areas with soap and water. Wash clothing before reuse. Keep spill out of sewers and open bodies of water. Comply with all applicable governmental regulations concerning spill reporting, handling and disposal of waste. Keep unnecessary people away.
WASTE DISPOSAL METHOD Dispose of in accordance with Federal, State, and local regulations.

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### 8. PERSONAL PROTECTIVE INFORMATION:

#### RESPIRATORY PROTECTION

NIOSH/MSHA approved respiratory devices to protect against particulate matter. If ammonia vapors are encountered, NIOSH/MSHA approved respirators for protection against ammonia vapors.

#### VENTILATION

Local or general exhaust to maintain exposure below TLV/PEL.

#### PROTECTIVE GLOVES

Impervious gloves to prevent skin contact.

#### EYE PROTECTION

Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

### 9. SPECIAL PRECAUTIONS:

#### PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Store in cool, dry area away from oxidizers and other incompatible materials.

#### OTHER PRECAUTIONS

Not determined.

### 10. TRANSPORT INFORMATION:

Not regulated by DOT or IMDG.

### 11. OTHER INFORMATION:

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.