

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

Ferti-lome® Tree and Shrub Food

Effective Date: May 18, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Ferti-lome Tree and Shrub Food

FORMULA: Mixture

COMPANY IDENTIFICATION:

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

2. INGREDIENTS:

CHEMICAL COMPONENT	% (TYPICAL)
Total Nitrogen (N)	19.00%
Available Phosphoric Acid (P205)	8.00%
Total Potassium	10.00%
Sulfur (S)	1.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
Iron (Fe)	1.00%
Manganese (Mn)	0.05%
Zinc (Zn)	0.05%

3. PHYSICAL DATA:

BOILING POINT (°F) Does not apply	SPECIFIC GRAVITY (H ₂ O=1) 0.5	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) <1%	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (ethyl ether=1) Does not apply
SOLUBILITY IN WATER Appreciable	REACTIVITY IN WATER Will not evolve flammable or toxic gases	
APPEARANCE AND ODOR Multi-colored granules; slight chlorine odor.		

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, foam, dry chemical or carbon dioxide.	AUTO IGNITION TEMPERATURE Not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS Decomposes upon heating to liberate ammonia. Avoid dispersion of dust in air to reduce potential explosion hazard.		
SPECIAL FIRE FIGHTING PROCEDURES Minimize breathing gases, vapors, or decomposition products. Use supplied air-breathing equipment. Use water to cool fire exposed containers.		

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5. HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Eye, skin, upper respiratory tract.		
SIGNS AND SYMPTOMS OF EXPOSURE		
(1) ACUTE OVEREXPOSURE EYE CONTACT: Irritation. SKIN CONTACT: Irritation. INHALATION: Inhalation of high concentrations may result in upper respiratory tract irritation.		
(2) CHRONIC OVEREXPOSURE Inhalation of dust may permanently damage the lungs and result in the development of pneumoconiosis, silicosis, or other respiratory disorders.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Disorders of the respiratory system, dermatitis, or other skin disorders.		
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 ACGIH TLV (nuisance dust)=10 mg/m ³ ; OSHA PEL (nuisance dust)=15 mg/m ³		
EMERGENCY AND FIRST AID PROCEDURES EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if irritation persists. INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician. INGESTION: Drink 1 to 2 glasses of water and induce vomiting by sticking finger down throat. Call a physician immediately. Do not follow this procedure with an unconscious person.		

6. REACTIVITY DATA:

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID Not determined
INCOMPATIBILITY (Materials to Avoid) Strong oxidizers and alkalis.	
HAZARDOUS DECOMPOSITION PRODUCTS Ammonia, phosphorous oxides, cyanuric acid, cyanic acid, and carbon dioxide.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	CONDITIONS TO AVOID Avoid heating or direct exposure to sunlight.

7. SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED Cleanup of spills may require personal protective equipment. See Section 8. Recover product. Shovel or sweep into a suitable, labeled container and seal.
WASTE DISPOSAL METHOD Dispose of in accordance with Federal, State, and local regulations.

8. PERSONAL PROTECTIVE INFORMATION:

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RESPIRATORY PROTECTION NIOSH/MSHA approved for protection against toxic dusts containing quartz.
VENTILATION Local or general exhaust to maintain exposure below TLV/PEL.
PROTECTIVE GLOVES PVC or Neoprene.
EYE PROTECTION Chemical splash goggles (ANSI Z87.1 1979)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT Apron, boots, long sleeved shirt and full-length pants (or overalls) may be worn, when necessary to prevent skin contact. Eyewash and shower facilities should be available.

9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING Keep containers closed when not in use. Store away from strong alkalis and oxidizers. Corrosive to aluminum and cast iron. Store in cool, dry, ventilated area, out of direct sunlight.
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.