

**Material
Safety
Data Sheet**
ferti-lome® Tree and Shrub Food
SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Voluntary Purchasing Groups, Inc.	Box 460, Bonham, TX 75418
Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)	
For Additional Information Contact: Product Manager or Chemtrec	Date Prepared: 03-14-03
Common Name (Used on Label): ferti-lome® Tree and Shrub Food	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of monoammonium phosphate, muriate of potash, urea, limestone, vermiculite, diatomaceous earth and water.
Trade Name & Synonyms: ferti-lome® Tree and Shrub Food	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Urea	57-13-6	Proprietary	Not established	Not established
Attapulgite (diatomaceous earth)	12174-11-7	Proprietary	*	*
Vermiculite	1318-00-9	Proprietary	Not established	Not established
Dolomitic limestone	16389-88-1	Proprietary	10 mg/m ³	15 mg/m ³
Monoammonium phosphate	7722-76-1	Proprietary	Not established	Not established

* PEL and TLV= 0.05 mg/m³ for Cristobalite and Tridymite 0.1 mg/m³ for Quartz and Tripoli

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration.

TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists.

SECTION 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 Multicolored granules; slight chlorine odor		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) Does not apply	FLAMMABLE LIMITS IN AIR (% by volume) Lower: <u>Not determined</u> Upper: <u>Not determined</u>
EXTINGUISHING MEDIA	AUTO IGNITION TEMPERATURE

Water, foam, carbon dioxide, dry chemical

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.

SECTION 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 YES NO**IARC** YES NO**OSHA** YES NO**OTHER EXPOSURE LIMITS**ACGIH TLV (nuisance dust) = 10 mg/m³; OSHA PEL (nuisance dust) = 15 mg/m³**EMERGENCY AND FIRST AID PROCEDURES**

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if irritation persists. SKIN CONTACT: 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.

SECTION 6 - REACTIVITY DATA**STABILITY** Unstable Stable**CONDITIONS TO AVOID**

Not determined

INCOMPATIBILITY (Materials to Avoid)

Strong oxidizing agents and alkalis

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia, phosphorous oxides, cyanuric acid, cyanic acid, and carbon dioxide.

HAZARDOUS POLYMERIZATION May Occur Will Not occur**CONDITIONS TO AVOID**

Avoid heating or direct exposure to sunlight

SECTION 7 - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**

Cleanup of spill may require use of 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.

SECTION 8 - PERSONAL PROTECTION INFORMATION**RESPIRATORY PROTECTION**

NIOSH/MSHA approved for protection against toxic dusts containing quartz.

VENTILATION

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

PROTECTIVE GLOVES

PVC or Neoprene.

EYE PROTECTION

Chemical splash goggles (ANSI Z87.1 1979)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Apron, boots, long sleeve shirt and full-length pants (or overalls) may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 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

SECTION 10 - 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.