Material Safety Data Sheet	ferti-lome® Fruit, Citrus & Pecan Tree 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® Fruit, Citrus & Pecan Tree 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® Fruit, Citrus & Pecan Tree 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	**	**
Monoammonium phosphate *	7722-76-1	21.7	Not established	Not established
Vermiculite	1318-00-9	Proprietary	Not established	Not established
Dolomatic limestone	16389-88-1	Proprietary	10 mg/m3	15 mg/m3
** PEL and TLV=0.05 mg/m3 for Cristobalite and Tridymite: and 0.1 mg/m3 for Quartz and Tripoli.				

* This substance is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372. This information should be included in all Material Safety Data Sheets (MSDSs) that are copied and distributed for this material.

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_2O=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)	FLAMMABLE LIMITS IN AIR (% by volume)

Does not apply	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 Wear pressure-demand, self-contained breathing apparatus MSHA/NIOSH approved and full protective gear. Avoid inhalation of fumes and dusts.	

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Skin and eye contact, inhalation, ingestion		
SIGNS AND SYMPTOMS OF EXPOSURE		
(1) ACUTE OVEREXPOSURE Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea. Eye and skin contact may result in local irritation. 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 Possible crystalline silica.		
NTP ☒ YES ☐ NO	IARC ☒ YES ☐ NO	OSHA ☐ YES ☒ NO
OTHER EXPOSURE LIMITS ACGIH TLV (nuisance dusts)=10mg/m3; OSHA PEL (nuisance dusts)=15 mg/m3		
EMERGENCY AND FIRST AID PROCEDURES INGESTION: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician. EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface of the eye and lids with water. Obtain medical attention if irritation persists. Oils or ointments should not be used unless directed by a physician. SKIN CONTACT: Immediately wash skin with soap and water. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.		

SECTION 6 - REACTIVITY DATA

STABILITY ☐ Unstable ☒ Stable	CONDITIONS TO AVOID Decomposes upon heating.
INCOMPATIBILITY (Materials to Avoid) Strong oxidizers 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 spills may require personal protective equipment. See section 8. Sweep-up or vacuum the material and transfer to a labeled container and seal. Residue may be washed away with water.
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 TLV/PEL.
PROTECTIVE GLOVES PVC or Neoprene
EYE PROTECTION Safety glasses or 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. Eyewash and shower facilities should be available.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING Corrosive to cast iron and aluminum. Store in dry, cool, ventilated area, out of direct sunlight.
OTHER PRECAUTIONS None 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.