

**Material  
Safety  
Data  
Sheet**

**ferti-lome® Rose 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® Rose Food	Chemical Family: Mixture
Chemical Name: Mixture	Formula: Mixture of urea, Monoammonium phosphate, ammonium sulfate, muriate of potash, limestone, diatomaceous earth, vermiculite and water.
Trade Name & Synonyms: ferti-lome® Rose Food	

**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Urea	57-13-6	Proprietary	Proprietary	Not established
Attapulgite	12174-11-7	Proprietary	0.1 mg/m <sup>3</sup> *	0.1 mg/m <sup>3</sup> *
Monoammonium phosphate	7722-76-1	Proprietary	Not established	Not established
Vermiculite	1318-00-9	Proprietary	Not established	Not established
Dolomitic limestone	16289-88-1	Proprietary	10 mg/m <sup>3</sup> **	15 mg/m <sup>3</sup> **
Potassium chloride	7447-40-7	Proprietary	Not established	Not established
Ammonium sulfate	7783-20-2	22.0	Not established	Not established

\*Respirable quartz \*\*Containing <1% crystalline silica and no asbestos.

[1] NOTE: This is a toxic chemical and is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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 <sub>2</sub> O=1) 0.4	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) <1%	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (_____=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: Not determined Upper: Not determined
EXTINGUISHING MEDIA Water, foam, dry chemical or CO <sub>2</sub>	AUTO IGNITION TEMPERATURE Not determined
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	
Decomposes upon heating to liberate ammonia and sulfur trioxide. Avoid dispersion of dust in air to reduce potential explosion hazard. If mixed with oxidizers such as potassium chlorate, potassium nitrite, or potassium nitrate, an explosion hazard will exist.	
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	
Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved and full protective gear. Avoid inhalation of fumes and dust.	

## SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS		
Skin contact, inhalation, eye contact, ingestion.		
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b>		
(1) ACUTE OVEREXPOSURE: Ingestion of large quantities may cause symptoms of non-specific irritation 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, or other respiratory disorders.		
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b>		
Disorders of respiratory system, dermatitis, or other skin disorders.		
<b>CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN</b>		
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 for nuisance dusts = 10 mg/m <sup>3</sup> ; PEL for nuisance dusts + 15 mg/m <sup>3</sup>		
<b>EMERGENCY AND FIRST AID PROCEDURES</b>		
INGESTION: Induce vomiting by giving two glasses of water and sticking finger down throat. Never give anything to an unconscious person. Call a physician. EYE CONTACT: Immediately flush eye 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 plenty of water. Wash clothing before reuse. 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 <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID Decomposes upon heating
<b>INCOMPATIBILITY (Materials to Avoid)</b>	
Strong oxidizers and alkalis, potassium chlorate, potassium nitrate, and potassium nitrite.	
HAZARDOUS DECOMPOSITION PRODUCTS	Ammonia, sulfur trioxide, phosphorous oxides, cyanuric acid, and carbon dioxide.
HAZARDOUS POLYMERIZATION <input checked="" type="checkbox"/> May Occur <input type="checkbox"/> 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

Clean up of spills may require personal protective equipment. See Section 8. Sweep up or vacuum the material and transfer to sealed, labeled containers. Keep spill out of sewers and open bodies of water. Comply with all applicable regulation concerning spill reporting, handling, and disposal of waste.

### WASTE DISPOSAL METHOD

Components of this product are toxic to aquatic life. 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. If ammonia vapors are encountered, NIOSH/MSHA approved respirators for protection against ammonia vapors.

### VENTILATION

General or local exhaust to maintain employee exposure below the TLV/PEL

### PROTECTIVE GLOVES

PVC or Neoprene

### 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

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

Corrosive to cast iron and aluminum. Store in a dry, cool, ventilated area, out of direct sunlight. Separate from strong oxidizers.

### OTHER PRECAUTIONS

None determined.

## SECTION 10 - OTHER INFORMATION

None determined

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.