

Material Safety Data Sheet	ferti-lome® Blooming And Rooting Soluble Plant 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® Blooming & Rooting Soluble Plant Food	Chemical Family: Does not apply
Chemical Name: Mixture	Formula: Mixture derived from primary plant nutrient sources; ammonium phosphate and potassium phosphate
Trade Name & Synonyms: ferti-lome® Blooming & Rooting Soluble Plant Food	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Ammonium phosphate	7722-76-1	Proprietary	Not established	Not established
Potassium phosphate	7778-77-0	Proprietary	Not established	Not established
Phosphoric acid [1]	7664-38-2	59	1 mg/m ³	1 mg/m ³

[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 Authorization 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 ₂ O=1) Not determined	VAPOR PRESSURE (mm Hg) Not determined
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 Green crystals. Slight 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 Water, foam, dry chemical, or CO ₂	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.		

Product Name: ferti-lome® Blooming & Rooting Soluble Plant Food	ID Number:	Page: 1
---	------------	---------

SPECIAL FIRE FIGHTING PROCEDURES

Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent, 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, and 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 and burns. Acidic substances may cause burns with discoloration and corrosion of the mucous membranes of the mouth, throat, and esophagus, with symptoms of thirst, epigastric pains, nausea, headaches, dizziness, mental confusion, weakness of legs, muscle cramps, numbness, vomiting and diarrhea. Inhalation of high concentrations may result in upper respiratory tract irritation, and may increase risk of asthmatic attacks. Potassium poisoning may affect the heart and electrolyte balance.

(2) CHRONIC OVEREXPOSURE

Repeated or prolonged eye contact may cause conjunctivitis. Repeated or prolonged inhalation may cause erosion of the teeth, inflammatory and ulcerative changes in the mouth, and possibly jaw necrosis. Repeated skin contact may result in dermatitis. May impair kidney function and disturb the rhythm of the heart.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Disorders of the respiratory system, heart, kidneys, asthma, 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

TLV (nuisance dusts) = 10mg/m³; PEL (nuisances dusts) =15 mg/m³

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: Do not induce vomiting. Dilute acid immediately by drinking large quantities of water or milk. If vomiting persists, administer fluids repeatedly. 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 plenty of 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, alkalis, organic agents, and other agents. Do not mix with other compounds.

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia, phosphorous oxides, oxides of nitrogen and potassium.

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**

Keep combustibles away from spilled materials. Clean up of spills may require personal protective equipment. See Section 8. Sweep up or vacuum the material and transfer to sealed, labeled container. Residue may be washed away with water. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste.

WASTE DISPOSAL METHOD

Dispose of according with Federal, State, and local regulations.

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

NIOSH/MSHA approved for protection against toxic and acid gases.

VENTILATION

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

PROTECTIVE GLOVES

PVC or Neoprene

EYE PROTECTION

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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Aprons, 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 dry, cool, 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.