

<b>Material Safety Data Sheet</b>	<b>ferti-lome® Lawn Food Plus Iron</b>
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### 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® Lawn Food Plus Iron	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of urea, monoammonium phosphate, muriate of potash, diatomaceous earth, ferrous sulfate, vermiculite, water.
Trade Name & Synonyms: ferti-lome® Lawn Food Plus Iron	

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Attapulgit (diatomaceous earth)	12174-11-7	Proprietary	0.1 mg/m3*	0.1 mg/m3*
Monoammonium phosphate	7722-76-1	Proprietary	Not established	Not established
Ferrous sulfate monohydrate	7720-78-7	Proprietary	1 mg/m3	1 mg/m3
Potassium chloride	7447-40-7	Proprietary	Not established	Not established

\* Respirable quartz

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) 0.5	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 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.		

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**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 dusts.

**SECTION 5 - HEALTH INFORMATION****PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS**

Skin contact, inhalation, eye contact, 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 results in the development of pneumoconiosis, silicosis, or other respiratory disorders.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Disorders of 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 dusts)= 10mg/m<sup>3</sup>; OSHA PEL (nuisance dusts)= 15mg/m<sup>3</sup>

**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 eye and lids with water. Obtain medical attention if irritation persists. Oils and 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 and alkalis.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Ammonia, phosphorous oxides, sulfur 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**

Clean up of spills may require personal protective equipment. See Section 8. Sweep-up, vacuum the material and transfer to the original container, or to a sealed, labeled container. Residue may be washed away with water.

**WASTE DISPOSAL METHOD**

Dispose of in accordance with Federal, State, and local regulations.

<b>SECTION 8 - PERSONAL PROTECTION INFORMATION</b>
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<b>RESPIRATORY PROTECTION</b>
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NIOSH/MSHA approved for protection against toxic dusts containing quartz.
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<b>VENTILATION</b>
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Local or general exhaust to maintain exposure below TLV/PEL.
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<b>PROTECTIVE GLOVES</b>
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PVC or Neoprene
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<b>EYE PROTECTION</b>
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Safety glasses or goggles (ANSI Z87.1 1979)
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<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b>
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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.
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<b>SECTION 9 - SPECIAL PRECAUTIONS</b>
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<b>PRECAUTIONS TO BE TAKEN IN HANDLING &amp; STORING</b>
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Corrosive to cast iron and aluminum. Store in dry, cool, ventilated area, out of direct sunlight.
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<b>OTHER PRECAUTIONS</b>
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Not determined
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<b>SECTION 10 - OTHER INFORMATION</b>
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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.