

# MATERIAL SAFETY DATA SHEET



In the event of a medical or chemical emergency contact  
ChemTel, Inc. North America 1-800-255-3924 or worldwide  
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, Texas 75418

## Ferti-lome® Lawn Food Plus Iron 24-0-4

Effective Date: January 1, 2012

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Ferti-lome Lawn Food Plus Iron 24-0-4

#### COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, TX. 75418

### 2. INGREDIENTS:

HAZARDOUS COMPONENT	% BY WEIGHT
Total Nitrogen (N)	24.00%
Total Potassium (K <sub>2</sub> O)	4.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
Iron (Fe)	3.00%
Manganese (Mn)	0.05%
Zinc (Zn)	0.05%

### 3. PHYSICAL DATA:

**Boiling Point:** N/A  
**Specific Gravity (H<sub>2</sub>O=1):** 0.5  
**Vapor Pressure:** Negligible  
**Percent Volatile by Volume:** 1%  
**Vapor Density:** N/A  
**Evaporation Rate:** N/A  
**Solubility in Water:** Appreciable  
**Reactivity in Water:** Will not evolve flammable or toxic gases  
**Appearance and Odor:** Small granules, various colors; Slight chlorine odor

### 4. FIRE AND EXPLOSION DATA:

**Flash Point:** NA (Non-Flammable)  
**Flammable Limits in Air:** Lower: Not determined Upper: Not determined  
**Extinguishing Media:** Foam, Water, Dry Chemical, or Carbon Dioxide  
**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 or equivalent, and full protective gear. Avoid inhalation of fumes and dusts.

### 5. HEALTH INFORMATION:

**Primary Routes of Exposure and Target Organs:** Inhalation, skin or eye contact, ingestion.

#### Signs and Symptoms of Exposure

- 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.

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**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:** No      **IARC:** No      **OSHA:** No

**Other Exposure Limits:**

ACGIH TLV for nuisance dusts = 10 mg/m<sup>3</sup>

OSHA PEL for 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. Call a physician. Obtain medical attention of 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.

### 6. REACTIVITY DATA:

**Stability:** Stable  
**Conditions to avoid:** Decomposes upon heating; Avoid heating or direct exposure to sunlight.  
**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

### 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.

### 8. PERSONAL PROTECTIVE INFORMATION:

**Respiratory Protection:** NIOSH/MSHA approved respiratory devices to protect against particulate matter.  
**Ventilation:** General or local exhaust to maintain employee exposure below the TLV/PEL.  
**Protective Gloves:** Impervious material to prevent skin contact.  
**Eye Protection:** Safety glasses or goggles.  
**Other Protective Clothing or Equipment:** Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

### 9. SPECIAL PRECAUTIONS:

**Precautions to be taken in Handling & Storage:** Store in a cool, dry place, ventilated and out of direct sunlight. Corrosive to cast iron and aluminum. **Other precautions:** Not determined.

### 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.