

# MATERIAL SAFETY DATA SHEET



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

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

Effective Date: May 18, 2012

## Ferti-lome® Tomato And Vegetable Food

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Ferti-lome Tomato And Vegetable Food  
**FORMULA:** Mixture

#### COMPANY IDENTIFICATION:

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

### 2. INGREDIENTS:

CHEMICAL COMPONENT	% (TYPICAL)
Total Nitrogen (N)	7.00%
Available Phosphoric Acid (P2O5)	22.00%
Total Potassium	8.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
Iron (Fe)	0.10%
Manganese (Mn)	0.05%
Zinc (Zn)	0.05%

### 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 Multi-colored granules; slight chlorine odor.		

### 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.		
SPECIAL FIRE FIGHTING PROCEDURES Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved, and full protective gear. Avoid inhalation of fumes and dusts.		

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### 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 Quartz		
NTP <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	IARC <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	OSHA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
OTHER EXPOSURE LIMITS ACGIH TLV (nuisance dust)=10 mg/m <sup>3</sup> ; OSHA PEL (nuisance dust)=15 mg/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 surface of the 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.		

### 6. REACTIVITY DATA:

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> 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 <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	CONDITIONS TO AVOID Avoid heating or direct exposure to sunlight.

### 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.

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### 8. PERSONAL PROTECTIVE 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 (ANSI Z87.1 1979)

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Apron, boots, long sleeved shirt and full-length pants (or overalls) may be worn, when necessary to prevent skin contact. Eyewash and shower facilities should be available.

### 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.

### 10. TRANSPORT INFORMATION:

Not regulated by DOT or IMDG.

### 11. 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.