

# 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 21, 2012

## Ferti-lome® Bougainvillea & Flowering Vine Food 17-7-10

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Ferti-lome Bougainvillea & Flowering Vine Food 17-7-10

#### COMPANY IDENTIFICATION:

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

### 2. INGREDIENTS:

CHEMICAL COMPONENT	% BY WEIGHT
Total Nitrogen (N)	17.000%
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	7.000%
Total Potassium (K <sub>2</sub> O)	10.000%
Magnesium (Mg)	0.150%
Copper (Cu)	0.300%
Iron (Fe)	1.500%
Manganese (Mn)	0.125%
Zinc (Zn)	0.050%
Sulfur (S)	8.750%
Calcium (Ca)	0.250%

### 3. PHYSICAL DATA:

**Boiling Point:** N/A  
**Specific Gravity (H<sub>2</sub>O=1):** 1.5  
**Melting Point:** 130°F  
**Bulk Density:** 65 lbs/cu.ft.  
**Vapor Pressure:** Negligible  
**Percent Volatile by Volume:** N/A  
**Vapor Density:** Negligible  
**Evaporation Rate:** Negligible  
**Solubility in Water:** 60%  
**Appearance and Odor:** Small granules, various colors

### 4. FIRE AND EXPLOSION DATA:

**Flash Point:** NA (Non-Flammable)  
**Lower Explosion Limit:** NA  
**Extinguishing Media:** Foam, Water Spray, Steam, Sand, Dry Chemical, Carbon Dioxide  
**Special Fire Fighting Procedures:** Wear NIOSH approved self-contained breathing apparatus and impervious clothing.

Use agents appropriate to surrounding materials to extinguish fire. Evaluate downwind area if large quantities are involved in fire. Urea may decompose to Cyan uric acid, ammonia, HCN and nitrogen oxides. Sulfur can produce oxides. Hydrogen sulfide is a reaction product and is toxic and explosive.

# 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 21, 2012

## Ferti-lome® Bougainvillea & Flowering Vine Food 17-7-10

### 5. HEALTH INFORMATION:

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

#### Signs and Symptoms of Exposure

- 1. Acute Overexposure:** Inhalation may cause irritation with sore throat and coughing. Magnesium sulfate is a laxative. Ingestion may result in hypomagnesaemia, which may affect the cardiovascular, gastrointestinal and nervous systems. Depletion of potassium may occur due to the laxative effect leading to hypokalemia. Symptoms may include catharsis, vomiting, cramps and/or diarrhea. Eye or skin contact may result in irritation.
- 2. Chronic Overexposure:** Prolonged or repeated ingestion of large doses may result in severe hypokalemia and renal failure.

**Medical Conditions Generally Aggravated by Exposure:** Renal disorders. Interactions with medications may occur.

**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 or Skin**

**Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water.

### 6. REACTIVITY DATA:

**Stability:** Stable  
**Conditions to avoid:** Does not apply  
**Incompatibility (Materials to Avoid):** Ethoxyethynyl alcohol  
**Hazardous Decomposition Products:** Thermal decomposition may release toxic oxides of sulfur  
**Hazardous Polymerization:** Will not occur

### 7. SPILL OR LEAK PROCEDURES:

**Steps to be taken in case material is leaked or spilled:** Wear protective equipment including rubber boots, rubber gloves, rubber apron, and chemical goggles. Sweep-up and dispose of in a labeled container and seal for later disposal or reuse. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal.

**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.

**Other Protective Clothing or Equipment:** When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

### 9. SPECIAL PRECAUTIONS:

**Precautions to be taken in Handling & Storage:** Store in a cool, dry place. Keep containers dry at all times. Wash Thoroughly after handling. Do not get in eyes, on skin or clothing.

**Other precautions:** Containers, even though they have been emptied, will retain product residue. Always obey hazard

# MATERIAL SAFETY DATA SHEET



## Ferti-lome® Bougainvillea & Flowering Vine Food 17-7-10

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 21, 2012

### 10. OTHER 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.