

# MATERIAL SAFETY DATA SHEET



For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night: 1-800-424-9300  
For Medical Emergencies Only, Call: 1-877-325-1840

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

## Ferti-lome® Dusting Sulfur

Effective Date: May 18, 2012

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Ferti-lome® Dusting Sulfur  
**EPA No.:** 7401-188  
**CHEMICAL FAMILY:** Sulfur  
**CHEMICAL NAME:** Elemental Sulfur

#### COMPANY IDENTIFICATION:

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### 2. COMPOSITION INFORMATION ON INGREDIENTS:

INGREDIENT:	CAS #	% TYPICAL	TLV (UNITS)	PEL (UNITS)
Sulfur (nuisance dust)	7704-34-9	Proprietary	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

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.

### 3. PHYSICAL DATA:

**BOILING POINT (°F):** NE  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 2.07  
**VAPOR PRESSURE (mm Hg):** NE  
**PERCENT VOLATILE BY VOLUME:** NE  
**VAPOR DENSITY (AIR=1):** NE  
**EVAPORATION RATE:** NE  
**SOLUBILITY IN WATER:** Insoluble  
**REACTIVITY IN WATER:** Does not apply  
**APPEARANCE AND ODOR:** Powder, sulfur odor.

### 4. FIRE AND EXPLOSION DATA:

**FLASH POINT (°F):** 207°C  
**FLAMMABLE LIMITS IN AIR:** Lower: 35g/m<sup>3</sup> Upper: 1400 g/m<sup>3</sup>  
**EXTINGUISHING MEDIA:** Water fog, carbon dioxide  
**AUTO IGNITION TEMP:** 232°C  
**UNUSUAL FIRE & EXPLOSION HAZARDS:**  
Avoid overheating and ignition sources; dusts can form explosive mixtures with air.  
**SPECIAL FIRE FIGHTING PROCEDURES:**  
Use a self-contained breathing apparatus.

### 5. HEALTH INFORMATION:

**PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS:** Eyes, skin, upper respiratory tract, gastrointestinal tract.  
**SIGNS AND SYMPTOMS OF EXPOSURE:**  
(1) **Acute Overexposure:** Eye Contact: Mild irritation. Skin Contact: Repeated contact may cause irritation.  
Inhalation: Inhalation of dust can cause irritation of the respiratory tract. Ingestion: May cause irritation.

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(2) Chronic Overexposure: Not determined.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Not determined  
**CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:** None

**NTP:** No

**IARC:** No

**OSHA:** No

**OTHER EXPOSURE LIMITS:** None determined

**EMERGENCY AND FIRST AID PROCEDURES:** Eye Contact: Flush with water for 15 minutes. Seek medical attention.  
Skin Contact: Remove contaminated clothing; flush with water for several minutes; seek medical attention if irritation persists. Ingestion: Seek medical attention immediately. Inhalation: Remove victim to fresh air, administer artificial respiration if not breathing and seek medical attention immediately.

### 6. REACTIVITY DATA:

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Oxidizers, heat

**INCOMPATIBILITY (Materials to Avoid):** Oxidizers, also separate from chlorates, nitrates, charcoal, metals, and carbides.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Upon oxidation will form oxides of sulfur including sulfur dioxide and sulfur trioxide, Hydrogen sulfide formation may also occur.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Not determined.

### 7. SPILL OR LEAK PROCEDURES:

**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:** Keep dust levels at a minimum when cleaning up and keep away from heat and ignition sources.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with Federal, State, and local regulations.

### 8. PERSONAL PROTECTION INFORMATION:

**RESPIRATORY PROTECTION:** None required under conditions of normal intended use. Use a NIOSH approved respirator if exposure is above 10 mg/m<sup>3</sup> nuisance dust.

**VENTILATION:** Use in a well-ventilated area.

**PROTECTIVE GLOVES:** If skin contact is likely to occur.

**EYE PROTECTION:** Safety goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None determined.

### 9. SPECIAL PRECAUTIONS:

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:** Keep container closed when not in use and store in a cool dry area.

**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.