

**Material  
Safety  
Data  
Sheet**
**Hi-Yield® Dusting Wettable Sulfur**
**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): Hi-Yield® Dusting Wettable Sulfur	Chemical Family: Sulfur
Chemical Name: Elemental Sulfur	Formula: Not determined
Trade Name & Synonyms: Hi-Yield® Dusting Wettable Sulfur EPA # 7401-188-34911	

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENT	CAS NUMBER	% (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.

**SECTION 3 - PHYSICAL DATA**

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

**SECTION 4 - FIRE AND EXPLOSION DATA**

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

**SECTION 5 - HEALTH INFORMATION**

<b>PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS</b>		
Eyes, skin, upper respiratory tract, gastrointestinal tract.		
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b>		
<b>(1) ACUTE OVEREXPOSURE</b>		
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.		
<b>(2) CHRONIC OVEREXPOSURE</b>		
Not determined		
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b>		
Not determined		
<b>CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN</b>		
None		
<b>NTP</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>IARC</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>OSHA</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>OTHER EXPOSURE LIMITS</b>		
None determined		
<b>EMERGENCY AND FIRST AID PROCEDURES</b>		
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.		

**SECTION 6 - REACTIVITY DATA**

<b>STABILITY</b> <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	<b>CONDITIONS TO AVOID</b> Oxidizers, heat.
<b>INCOMPATIBILITY (Materials to Avoid)</b> Oxidizers, also separate from chlorates, nitrates, charcoal, metals, and carbides.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> Upon oxidation will form oxides of sulfur including sulfur dioxide and sulfur trioxide, Hydrogen sulfide formation may also occur.	
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	<b>CONDITIONS TO AVOID</b> Not determined

**SECTION 7 - SPILL OR LEAK PROCEDURES**

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED</b> Keep dust levels at a minimum when cleaning up and keep away from heat and ignition sources.
<b>WASTE DISPOSAL METHOD</b> Dispose of in accordance with Federal, State, and local regulations.

**SECTION 8 - PERSONAL PROTECTION INFORMATION****RESPIRATORY PROTECTION**

No required under conditions of normal intended use. Use a NIOSH approved respirator if exposure is above 10mg/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

**SECTION 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

**SECTION 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.