



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet Hi-Yield® Soil Sulfer

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#### SECTION 1: Identification

##### Product identifier

Product name Hi-Yield® Soil Sulfer

Product number 33685

##### Supplier's details

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

Telephone 855-270-4776

##### Emergency phone number(s)

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

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS label elements, including precautionary statements

##### Precautionary statement(s)

P102 Keep out of reach of children.

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#### SECTION 3: Composition/information on ingredients

##### Substances

##### Hazardous components

Component	Concentration
Sulfur (CAS no.: 7704-34-9)	Not specified

## **SECTION 4: First-aid measures**

### **Description of necessary first-aid measures**

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

### **Personal protective equipment for first-aid responders**

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) 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.

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## **SECTION 5: Fire-fighting measures**

### **Suitable extinguishing media**

Carbon dioxide, foam or water

### **Special protective actions for fire-fighters**

Utilize self-contained breathing apparatus with full face piece operated in pressure demand or other positive mode. Avoid inhalation of fumes and dusts. Cool fire exposed containers with water. Fight fire from a maximum distance. Dike fire control water for later disposal. Use a self contained breathing apparatus.

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## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact.

### **Environmental precautions**

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Avoid the generation of dusts. Prevent release to sewers or waterways in accordance with all applicable federal, state, and local environmental regulations.

### Methods and materials for containment and cleaning up

Keep combustibles away from spilled material. Clean up of spills may require personal protective equipment. See Section 8. Sweep up or vacuum the material and transfer to a sealed, labeled container. Residue may be washed away with water. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Store in a cool, dry place, ventilated and out of direct sunlight. Clean up of spills may require personal protective equipment.

### Conditions for safe storage, including any incompatibilities

Corrosive to cast iron and aluminum. Store in cool, dry, ventilated area, out of direct sunlight.

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

#### Skin protection

PVC or Neoprene gloves

#### Body protection

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.

#### Respiratory protection

NIOSH/MSHA approved for protection against toxic dusts.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Solid
Odor	
Odor threshold	
pH	
Melting point/freezing point	
Initial boiling point and boiling range	444.6°C
Flash point	207°C
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	Lower: 35 g/m3 Upper: 1400 g/m3
Vapor pressure	

# Safety Data Sheet

## Hi-Yield® Soil Sulfur

Vapor density  
Relative density  
Solubility(ies) Insoluble  
Partition coefficient: n-octanol/water  
Auto-ignition temperature 232°C  
Decomposition temperature  
Viscosity  
Explosive properties  
Oxidizing properties

### Other safety information

Specific Gravity: 2.07

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## SECTION 10: Stability and reactivity

### Reactivity

Hazardous Polymerization: Will not occur

### Chemical stability

Stable

### Conditions to avoid

Decomposes upon heating; Avoid heating or direct exposure to sunlight.

### Incompatible materials

Strong oxidizers, alkalis, organic agents, and other agents, do not mix with other compounds

### Hazardous decomposition products

Ammonia, phosphorus oxides, cyanuric acid, cyanic acid, carbon dioxide, oxides of nitrogen, potassium, and sulfur.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

TLV (nuisance dust) = 10mg/m<sup>3</sup> PEL(nuisance dust) = 15mg/m<sup>3</sup>

#### Carcinogenicity

NTP: No IARC: No OSHA: No

#### STOT-single 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 and burns. Acidic substances may cause burns with discoloration and corrosion of the mucous membranes of the mouth, throat, and esophagus, with symptoms of thirst, epigastric pain, nausea, vomiting, and diarrhea. Inhalation of high concentrations may result in upper respiratory tract irritation, and may increase risk of asthmatic attacks.

#### STOT-repeated exposure

Chronic Overexposure: Repeated or prolonged eye contact may cause conjunctivitis. Repeated or prolonged inhalation may cause erosion of the teeth, inflammatory and ulcerative changes in the mouth, and possible jaw necrosis. Repeated skin contact may result in dermatitis.

## **SECTION 12: Ecological information**

### **Toxicity**

Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste.

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not Regulated

### **IMDG**

Not Regulated

### **IATA**

Not Regulated

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## **SECTION 15: Regulatory information**

### **Safety, health and environmental regulations specific for the product in question**

#### **New Jersey Right To Know Components**

Common name: SULFUR

CAS number: 7704-34-9

#### **Pennsylvania Right To Know Components**

Chemical name: Sulfur

CAS number: 7704-34-9

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## **SECTION 16: Other information**

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed

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to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.