

# Safety Data Sheet

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : Dri-Sulfur 42  
 Product form : Solid dry granules  
 Other means of identification : Natural Organic Mineral Compounds; Elemental Sulfur

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Spreading onto soil.

### 1.3. Details of the supplier of the safety data sheet

Monty's Plant Food Co.  
 4800 Strawberry Lane  
 Louisville, KY 40209  
 Phone: (502) 489-9888

### 1.4. Emergency telephone number

Emergency number : (502) 489-9888

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS-US)

Not classified

### 2.2. Label elements

#### GHS-US labeling

No labeling applicable

### 2.3. Other hazards

Hazard Statement	H290 : May be corrosive to metals. H303 : May be harmful if swallowed. H316 : May cause mild skin irritation. H320 : May cause mild eye irritation. H335 : May cause respiratory irritation.
Prevention Statement	P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking. P220 : Keep away from oxidizing agents. P242 : Use non-sparking tools when available. P243 : Take precautionary measures against static discharge. P261 : Avoid breathing dust/fume/gas/mist/vapors/spray. P264 : Wash hands thoroughly after handling and before eating. P284 : In case of inadequate ventilation, wear respiratory protection.
Response Statement	P362 : Take off contaminated clothing. P363 : Wash contaminated clothing before reuse. P370+P378 : In case of fire, use water fog, spray, or regular foam extinguish. P381 : Eliminate all ignition sources.
Storage Statement	P402 : Store in a dry place. Avoid excessive moisture/humidity. P403 : Store in a well-ventilated place. P404 : Store in a closed container.

### 2.4. Unknown acute toxicity (GHS US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name	Product identifier	%
Humates	1415-93-6	50

Name	Product identifier	%
Elemental Sulfur	7704-34-9	<50
Hydrated aluminum silicate	1332-58-7	<4

### 3.2. Solid

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing. Seek medical attention immediately in case of signs of allergic reaction and breathing difficulty.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water and mild soap for at least 15 minutes. If irritation develops or persists, get medical attention.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing. Do not use boric acid to rinse with.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water fog.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Product is not flammable.
- Explosion hazard : Product is not explosive. Potential for combustible sulfur dioxide gasses.
- Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
- Protection during firefighting : Wear full-faced, self-contained breathing apparatus and full protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Minor spills such as torn or ruptured bags should be repaired or patched with tape if possible. Place spilled material into original container unless wet or contaminated with another material.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Isolate spills and leak areas. Eliminate all sources of ignition, such as flares, sparks, or flames, in the immediate area. Ventilate closed spaces before entering.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves, dust mask and eye or face protection

### 6.2. Environmental precautions

Do not allow runoff to enter lakes or waterways.

### 6.3. Methods and material for containment and cleaning up

- For containment : Minor spills such as torn or ruptured bags should be repaired or patched with tape if possible. Place spilled material into original container unless wet or contaminated with another material.

Methods for cleaning up : Collect released material by shovel, brush, broom and dustpan.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged humidity.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, well-ventilated area. Keep container closed when not in use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas. Eliminate sources of ignition.

Personal protective equipment : Gloves. Protective goggles. Dust mask.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

Eye protection : Use eye protection suitable to the environment. Avoid direct contact with eyes.

Skin and body protection : Wear suitable, protective clothing to prevent skin irritation. Wash skin thoroughly after handling and before eating or smoking. Wash contaminated clothing separately before reuse.

Respiratory protection : Dust mask recommended for use. Avoid creating airborne dust in poorly ventilated areas.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid dry granules  
Color : Dark brown. Black.  
Odor : Slightly earthy to sulfur.  
Odor Threshold : No data available  
pH (water solution) : 8-10.5  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : 832°F (444°C) Nonflammable (T.C.C.)  
Auto-ignition temperature : >240°C (464°F)  
Decomposition temperature : No data available  
Flammability (solid, gas) : May form combustible dust concentrations in air.  
Vapour pressure : 8 mmHg at 246°C (475°F)  
Relative vapour density at 20 °C : No data available  
Bulk density : Around 75-115 lbs./ft<sup>3</sup>  
Solubility : Water: <70 %  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : May form combustible dust concentrations in air.  
Oxidising properties : No data available  
Explosive limits : No data available

#### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Oxidizing agents may react violently.

### 10.4. Conditions to avoid

Humidity/Moisture ; Keep from heat sources, sparks, and open flames.

### 10.5. Incompatible materials

Strong oxidizing agents, copper, copper alloys, steel, chlorates, nitrates.

### 10.6. Hazardous decomposition products

Oxides of sulfur gases produced by burning sulfur.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: None known to humans.
Skin corrosion/irritation	: Slightly irritating (rabbits)
Serious eye damage/irritation	: Minimal irritation in non-washed eyes (rabbits)
Respiratory or skin sensitisation	: Not established
Germ cell mutagenicity	: This product does not contain any ingredient designated by NTP, IARC, or OSHA as possible human carcinogen.
Carcinogenicity	: This product does not contain any ingredient designated by NTP, IARC, or OSHA as possible human carcinogen.
Reproductive toxicity	: Not established
Specific target organ toxicity (single exposure)	: No data available
Specific target organ toxicity (repeated exposure)	: No data available
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: No data available
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxicity to fish: LC <sub>50</sub> : Oncorhynchus mykiss (rainbow trout) → 180 mg/l-96h Other fish – 866 mg/l-96h Toxicity to Daphnia: Daphnia magna (water flea) → 5,000 mg/l-48h
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### 12.2. Persistence and degradability

<b>ActivHume-S</b>	
Persistence and degradability	No information available.

### 12.3. Bioaccumulative potential

No additional information available.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
Waste disposal recommendations	: Dispose of content and/or container in accordance with local, regional, national and/or international regulations.

## SECTION 14: Transport information

Solid sulfur is not regulated if formed to a specific shape, such as prills, granules, pastilles, or flakes (49 CFR 172.102, Special Provision 30).

Not hazardous for transport

### Additional information

Other information : No supplementary information available.

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### AcivHume

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

SARA Section 311/312 Hazard Classes	Immediate (Acute) health hazard
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#### Element – Sulfur (7704-34-9)

This product is listed on the TSCA Inventory at CAS Registry Number 7704-34-9

CERCLA RQ	If this product is accidentally spilled, it is not subject to any special reporting. We recommend that you contact state and local authorities to determine if there are other local reporting requirements.
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#### Sodium Hydroxide (1310-73-2)

Not listed on SARA 313	Cercla RQ : 1000 lb.
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### 15.2. International regulations

No additional information available.

### 15.3. US State regulations

#### California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

#### Sodium hydroxide (1310-73-2)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.

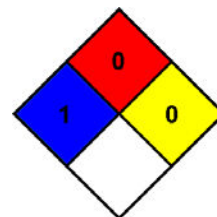
Revision date : 06/28/2016

Other information : Author:

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1

Flammability : 0

Physical : 0

Personal Protection : Refer to section 8.