

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

- Product Name** • Pennington One Step Sun & Shade Mulch, Pennington One Step Bermuda Mulch, Pennington One Step Dense Shade Mulch, Pennington One Step Tall Fescue Mulch
- Synonyms** • 100520281; 100520282; 100520283; 100520284; 100520286; 100520287; 100520288; 100521911; 100521914; 100521917; 100522282; 100522283; 100522284; 100522285; 100522286; 100522288; 100522289; 100522291
- Product Code** • Fert CD
- Product Description** • Variable colored granules.
- Relevant identified uses of the substance or mixture and uses advised against**
- Recommended use** • Fertilizer for lawns.
- Restrictions on use** • Keep out of the reach of children and domestic animals. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame.

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

- Manufacturer** • Pennington Seed, Inc.  
P.O. Box 338  
Greenfield, MO 65661  
United States

#### Emergency telephone number

- Manufacturer** • 1-703-527-3887 - CHEMTREC - outside the US, collect calls accepted
- Manufacturer (Transportation)** • 1-800-424-9300 - CHEMTREC - for transportation and non-transportation emergencies

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012** • Combustible Dust

#### Label elements

**OSHA HCS 2012**

#### WARNING

- Hazard statements** • May form combustible dust concentrations in air.

#### Other hazards

- OSHA HCS 2012** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

### Section 3 - Composition/Information on Ingredients

#### Substances

- Material does not meet the criteria of a substance.

#### Mixtures

Composition		
Chemical Name	Identifiers	%
Wood pellet crumbles	NDA	83% TO 93%
Other ingredient - non hazardous	NDA	Balance

### Section 4: First-Aid Measures

#### Description of first aid measures

##### Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.

##### Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

##### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

##### Ingestion

- IF SWALLOWED: call a poison center or doctor if you feel unwell. Rinse mouth.

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

- Refer to Section 11 - Toxicological Information.

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

##### Notes to Physician

- Treat symptomatically and supportively.

### Section 5: Fire-Fighting Measures

#### Extinguishing media

**Suitable Extinguishing Media** • Use water, foam, carbon dioxide, or dry chemical.

#### Unsuitable Extinguishing Media

- Avoid heavy hose streams.

#### Firefighting Procedures

- Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Eliminate ignition sources. Move containers from fire area if you can do it without risk. Stay upwind. LARGE FIRES: Dike fire control water for later disposal; do not scatter the material.

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

##### Unusual Fire and Explosion Hazards

- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

##### Hazardous Combustion Products

- Toxic gases emitted if heated which may include oxides of carbon and nitrogen.

## Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid dust formation and breathing dust.
- Emergency Procedures**
- Contain spill and monitor for excessive dust accumulation. Turn off electric power to area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### Environmental precautions

- No data available

### Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Avoid generating dust. Use appropriate Personal Protective Equipment (PPE.) Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Sweep or scoop up spills, dispose of any unusable material in approved landfill. Non-sparking tools should be used.

## Section 7 - Handling and Storage

### Precautions for safe handling

- Handling**
- Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### Conditions for safe storage, including any incompatibilities

- Storage**
- Keep out of reach of children. Keep container tightly closed. Store in a cool/low-temperature, well-ventilated, dry place. Keep away from sources of ignition – No Smoking.
- Incompatible Materials or Ignition Sources**
- Heat, sparks, open flame.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

- Exposure Limits/Guidelines**
- No data available.

Exposure Limits/Guidelines			
	Result	ACGIH	OSHA
Pennington One Step Sun & Shade Mulch, Pennington One Step Bermuda Mulch, Pennington One Step Dense Shade Mulch, Pennington One Step Tall Fescue Mulch	TWAs	10 mg/m <sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m <sup>3</sup> TWA (respirable particles, recommended)  <i>as Particulates not otherwise classified (PNOC)</i>	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)  <i>as Particulates not otherwise classified (PNOC)</i>

## Exposure controls

### Engineering Measures/Controls

- It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

### Personal Protective Equipment

#### Pictograms



#### Respiratory

- If airborne dust is present or in case of inadequate ventilation, use appropriate respiratory protection. Use of half/full face air purifying or N95 dust mask is recommended.

#### Eye/Face

- Wear safety glasses.

#### Hands

- Wear appropriate gloves.

#### Skin/Body

- Wear protective gloves/protective clothing/eye protection/face protection. Use full body suit such as Tyvek or Tychem suit is recommended.

### Environmental Exposure Controls

- Refer to Section 13 - Disposal Considerations.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Variable colored granules.
Color	Varies	Odor	Varies
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	45 to 80 lb(s)/ft <sup>3</sup>
Water Solubility	No data available	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

### Conditions to avoid

- Heat, sparks, open flame.

### Incompatible materials

- No data available.

### Hazardous decomposition products

- No data available.

## Section 11 - Toxicological Information

### Information on toxicological effects

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking.
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met

### Potential Health Effects

#### Inhalation

- Acute (Immediate)**
  - Exposure to dust may cause mild respiratory irritation.
- Chronic (Delayed)**
  - Repeated or prolonged inhalation of dust may cause respiratory irritation.

#### Skin

- Acute (Immediate)**
  - Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)**
  - No data available.

#### Eye

- Acute (Immediate)**
  - May cause eye irritation.
- Chronic (Delayed)**
  - No data available.

#### Ingestion

- Acute (Immediate)**
  - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
  - No data available.

#### Other

**Chronic (Delayed)**      • No data available.

## Section 12 - Ecological Information

### Toxicity

• No data available

### Persistence and degradability

• No data available.

### Bioaccumulative potential

• No data available.

### Mobility in Soil

• No data available.

### Other adverse effects

**Potential Environmental Effects**      • No data available.

## Section 13 - Disposal Considerations

### Waste treatment methods

**Product waste**      • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**      • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

**Special precautions for user**      • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**      • No data available

### Other information

**IMO/IMDG** • No data available

**IATA/ICAO** • No data available

## Section 15 - Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications**      • None

## Section 16 - Other Information

- Revision Date** • 30/November/2015
- Last Revision Date** • 30/November/2015
- Preparation Date** • 30/November/2015
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