



# Pennington Zenith Zoysia with Mulch

## Safety Data Sheet

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Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Pennington Zenith Zoysia with Mulch  
Synonyms : 100532366

#### 1.2. Recommended use and restrictions on use

Recommended use : Grass seed with mulch.  
Restrictions on use : Keep out of reach of children. Do not use or store near heat or open flame. Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

#### 1.3. Supplier

Pennington Seed, Inc.  
P.O. Box 290  
Madison, GA 30650 - United States

1-800-285-7333 - Available Monday - Friday from 8am - 5pm EST  
www.pennington.com

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 - CHEMTREC - Transportation and Non-Transportation related emergencies  
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Respiratory sensitization Category 1A : May cause an allergy or asthma symptoms or breathing difficulties if inhaled  
Combustible Dust : May form combustible dust concentrations in air

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



GHS08

Signal word (GHS US) : Danger  
Hazard statements (GHS US) : May form combustible dust concentrations in air  
May cause an allergy or asthma symptoms or breathing difficulties if inhaled  
Precautionary statements (GHS US) : Avoid breathing dust/fume/gas/mist/vapors/spray.  
In case of inadequate ventilation wear respiratory protection.  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
If experiencing respiratory symptoms: Call a poison center or a doctor.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

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

Not applicable

# Pennington Zenith Zoysia with Mulch

## Safety Data Sheet

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Peanut hulls	(CAS-No.) N/A	80 – 90
Grass seed	(CAS-No.) N/A	10 – 20
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician for treatment advice.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.
- Unsuitable extinguishing media : Avoid heavy hose streams.

#### 5.2. Specific hazards arising from the chemical

- Explosion hazard : Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- 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.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Ventilate closed spaces before entering. Eliminate ignition sources. Move containers away from the fire area if this can be done without risk.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : Avoid dust formation and breathing dust. Avoid contact with skin, eyes and clothing. Keep all ignition sources away. Ventilate enclosed areas. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Wear recommended personal protective equipment. Avoid the formation of mists in the atmosphere. Keep away from sources of ignition.
- Emergency procedures : Do not breathe dust. Contain spill and monitor for excessive dust accumulation. Turn off electric power to area. Avoid contact with skin, eyes and clothing. No flames, no sparks. Eliminate all sources of ignition.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Positive pressure self-contained breathing apparatus (SCBA).

# Pennington Zenith Zoysia with Mulch

## Safety Data Sheet

Emergency procedures : Contain spill and monitor for excessive dust accumulation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Evacuate area. Do NOT wash away into sewer. Avoid release to the environment. Stay upwind. Use grounded electrical/mechanical equipment. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Minimize generation of dust. Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill. Use only non-sparking tools. 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from sources of ignition - No smoking. Avoid dust formation. Avoid breathing dust.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in original container. Store in a well-ventilated place. Keep cool.

Incompatible materials : Sources of ignition. Strong acids. Strong bases. Strong oxidizers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering 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.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact. Use of a full body suit such as Tyvek or Tychem suit is recommended.

#### Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



# Pennington Zenith Zoysia with Mulch

## Safety Data Sheet

### SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Brown and green solid
Color	: Brown and green
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non-flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: Combustible dust
Oxidizing properties	: Not applicable

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. 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.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

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

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid dust formation. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified

# Pennington Zenith Zoysia with Mulch

## Safety Data Sheet

Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

### Potential health effects

#### Inhalation

Acute : May cause allergy or asthma symptoms or breathing difficulties if inhaled due to peanut hulls.

#### Skin

Acute : Exposure to dust may cause mechanical irritation.

#### Eye

Acute : Exposure to dust may cause mechanical irritation.

#### Ingestion

Acute : Under normal conditions of use, no health effects are expected.

**Mutagenicity** : Not classified.

**Carcinogenicity** : Not classified.

**Reproductive Effects** : Not classified.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations in accordance with local/regional/national regulations.

## SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
<b>DOT</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IMDG</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IATA</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 15.2. US State regulations

No additional information available

# Pennington Zenith Zoysia with Mulch

## Safety Data Sheet

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### SECTION 16: Other information

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SDS US (GHS HazCom 2012) - CGP

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