

Safety Data Sheet Date of issue: 11/23/2020

Version: 1.0

1.1. Identification Product form	: Mixture				
Trade name	: Pennington Coated Grass Seed Products				
Synonyms	: 100536812, 100536813				
1.2. Recommended use and restrict					
Recommended use	: Grass seed for lawns.				
Restrictions on use	: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep away from heat, sparks and flame.				
1.3. Supplier					
Pennington Seed, Inc.					
P.O. Box 338					
Greenfield, MO 65661 - United States					
1-800-285-7333 - Available 7 days a week f	rom /am - 9pm CST				
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) identificat					
2.1. Classification of the substance	or mixture				
GHS US classification					
Carcinogenicity Category 1A Combustible Dust	May cause cancer May form combustible dust concentrations in air				
GHS US labeling					
•	: GH508				
Hazard pictograms (GHS US)	: GHS08 : Danger				
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	_				
Hazard pictograms (GHS US) Signal word (GHS US)	DangerMay form combustible dust concentrations in air				
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US)	 Danger May form combustible dust concentrations in air May cause cancer Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. 				
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Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) 2.3. Other hazards which do not res Other hazards not contributing to the classification 2.4. Unknown acute toxicity (GHS U	 Danger May form combustible dust concentrations in air May cause cancer Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous. 				

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3.2. Mixtures				
Name Product identifier %				
Grass seed	(CAS-No.) N/A	40 - 45		
Calcium monocarbonate	(CAS-No.) 471-34-1	50		
Silica, crystalline - quartz	(CAS-No.) 14808-60-7	≥ 0.1		
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 general	: IF exposed or concerned: Get medical advice/attention.		
First-aid measures after inhalation	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.		
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash 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 and 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 ef	fects (acute and delayed)		
Chronic symptoms	: May cause cancer.		
4.3. Immediate medical attention and	special treatment, if necessary		
Treat symptomatically.			
SECTION 5: Fire-fighting measure	S		
5.1. Suitable (and unsuitable) extingu	ishing 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	: Dust cloud can be ignited by a spark. 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	I 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 me	easures		
6.1. Personal precautions, protective	equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment	: Avoid contact with skin, eyes and clothing. Wear suitable protective equipment.		
Emergency procedures	: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel. 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. For further information refer to section 8: Exposure controls/personal protection.		
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.		
6.2. Environmental precautions			
Avoid release to the environment.			

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6.3.	Methods and material for containment and cleaning up				
Methods for cleaning up :		: Sweep or scoop spills, dispose of any unusable material in approved landfill. Use appropriate 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. Non-sparking tools should be used.			
SEC	CTION 7: Handling and storage				
7.1.	Precautions for safe handling				
Preca	autions for safe handling	: Ensure good ventilation of the work station. Avoid dust formation. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Wear personal protective equipment. Avoid breathing dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.			
Hygie	ene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.			
7.2.	Conditions for safe storage, includ	ling any incompatibilities			
Stora	age conditions	Keep only in original container. Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store locked up. Avoid humid, wet or moist conditions. Avoid excess heat.			
Incompatible materials :		Strong oxidizers. Strong acids. Strong bases. Heat, sparks, open flame.			

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium monocarbonate (471-34-1)			
		10 mg/m³ (total dust) 5 mg/m³ (respirable dust)	
Silica, crystalline - quartz (14808-60-7)			
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m ³ (respirable particulate matter)	
OSHA	OSHA PEL (TWA) (mg/m³) 50 μg/m³		
IDLH	US IDLH (mg/m ³)	50 mg/m³ (respirable dust)	
NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m³ (respirable dust)	

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/Pe	ersonal 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.

Respiratory protection:

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



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SECTION 9: Physical and chemical properties				
9.1. Information on basic physical and o	Information on basic physical and chemical properties			
Physical state	sical state : Solid			
Appearance	: Blue and green ganular solid			
Color	: Blue and green			
Odor	: No data available			
Odor threshold	: No data available			
рН	: Not applicable			
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	: Not applicable			
Solubility	: Insoluble			
Partition coefficient n-octanol/water (Log Pow)	: No data available			
Auto-ignition temperature	: Not applicable			
Decomposition temperature	: No data available			
Viscosity, kinematic	: Not applicable			
Viscosity, dynamic	: Not applicable			
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

No dangerous reactions known under normal conditions of use. May form combustible dust concentrations in the air. Hazardous polymerization will not occur.

10.4. Conditions to avoid

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

Silica, crystalline - quartz (14808-60-7)			
Listed on IARC (International Agency for Research on Cancer), Listed as carcinogen on NTP (National Toxicology Program)			
IARC group 1 - Carcinogenic to humans			
National Toxicity Program (NTP) Status	Known Human Carcinogens		
In OSHA Hazard Communication Carcinogen list? Yes			

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GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	May cause cancer.
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 : Exposure to dust may cause nasal and respiratory irritation. Acute Silicosis can occur with exposures to very high Acute concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Repeated or prolonged inhalation of dust may cause respiratory irritation. Repeated and prolonged exposure to Chronic · crystalline silica containing materials may cause irritation and/or lung damage silicosis, fibrosis, inflammation, cancer. Skin Acute : May cause mild mechanical irritation. Eye Acute : May cause mild mechanical irritation. Ingestion : Under normal conditions of use, no health effects are expected. Acute Mutagenicity : Not classified. Carcinogenicity : Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. **Reproductive Effects** : Not classified.

SECT	ON 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 content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information					
	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
IMDG	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
ΙΑΤΑ	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
44/00/0000					E/0

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SECTION 15: Regulatory information

15.1. US Federal regulations

Calcium monocarbonate (471-34-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Silica, crystalline - quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

No additional information available

SECTION	16: C	Other information

Date of issue

: 23 November 2020

SDS US (GHS HazCom 2012) - CGP

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