Section 1 - Chemical Product and Company Identification

Product Name: Premier Green Artificial Turf Infill
Products: Premier Green: Coarse, Medium, Medium Fine, Fine

Manufacturer:
Premier Green
2509 Welton St. Ste 200 #1046
Denver, CO 80205
(970) 457-6100

Section 2 – Hazard Identification

Physical State: Solid, granular
Target Organs: Not classified for target organ effects under GHS
Potential Acute Health Effects: Not classified for acute health hazards under GHS
Potential Chronic Health Effects: Not classified for chronic health hazards under GHS
Medical Conditions Potentially Aggravated by Overexposure: None expected
GHS Health Hazard Classification: N/A
GHS Physical Hazard Classification: N/A
GHS Signal Word(s): None Required
GHS Hazard Statement(s): None Required
GHS Precautionary Statement(s): None Required
GHS Pictograms: None Required
NFPA Hazard Classification: Health: 0, Fire: 0, Reactivity: 0
HMIS Hazard Classification Health: 0, Fire: 0, Reactivity: 0, Protection: K

Section 3 – Composition / Mixture Ingredient Information

Ingredient (Component)	CAS Number	%wt
SiO2 (Silicates - Amorphous)*	112926-00-8	50.2
MgO (Magnesium Oxide)	1309-48-4	31.4
Fe2O3 (Iron Oxide)	1309-37-1	15.9
Al2O3 (Aluminum Oxide)	1344-28-1	1.6
CaO (Calcium Oxide)	1305-78-8	0.7
Ni (Nickel) and NiO (Nickel Oxide)	7440-02-0	<0.1
Cr2O3 (Chromium Oxide)	1308-38-9	0.1
Trace Elements and Compounds	N/A	1.5

*Contains no free crystalline silica

Section 4 – First Aid Measures

Inhalation: Remove from exposure situation and move to fresh air. Seek medical attention if symptoms persist.

Eye Contact: Flush eyes with large amounts of water for 15 minutes. Remove contact lenses, hold eyelids open to ensure thorough flushing. Seek medical attention if eye damage is suspected.

Skin Contact: Wash or brush material off skin. If irritation occurs, seek medical attention.

Ingestion: If person is conscious, give large quantity of water and induce vomiting; however, never attempt to make an unconscious person drink or vomit. Get immediate medical attention.

Section 5 - Fire-Fighting Measures

Flammability: Non-Flammable, Non-Combustible
Flash Point: N/A
Flash Point Method: N/A
Auto-ignition Temperature: Not Established
LEL: N/A
UEL: N/A
Extinguishing Media: N/A
Products of Combustion: None
Fire-Fighting Instructions: None
Fire-Fighting Equipment: None

Section 6 - Accidental Release Measures

Spill and Leak Procedure: Clean spills with broom, vacuum cleaner, shovel or scoop. Although the toxicity of this product is extremely low, it is advisable to minimize the creation of airborne dust.

Containment: Contain spilled material in an appropriate container.

Regulatory Requirements: Dispose of waste material in accordance with federal, state and local solid waste disposal regulations and requirements.

Section 7 - Handling and Storage

Handling Precautions: Avoid generating excessive airborne dust.

Storage Requirements: No special storage requirements.

Section 8 - Exposure Controls / Personal Protection

Occupational Exposure Limits*

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Amorphous Silica[1]	10 mg/m^3	N/A	10 mg/m^3	N/A	6 mg/m3	N/A	3000 mg/m^3
Magnesium Oxide	15 mg/m^3	N/A	10 mg/m^3	N/A	N/A	N/A	750 mg/m^3
Iron Oxide (Dust)	10 mg/m^3	N/A	5 mg/m^3	N/A	mg/m^3	N/A	2500 mg/m^3
Aluminum Oxide[2]	10 mg/m^3	N/A	N/A	N/A	N/A	N/A	N/A
Aluminum Oxide[3]	5 mg/m^3	N/A	1 mg/m^3	N/A	N/A	N/A	N/A
Calcium Oxide	5 mg/m^3	N/A	2 mg/m^3	N/A	2 mg/m^3	N/A	25 mg/m^3
Nickel	1 mg/m^3	N/A	1.5 mg/m^3	N/A	0.015 mg/m^3	N/A	10 mg/m^3
Chromium Oxide	0.5 mg/m^3	N/A	0.5 mg/m^3	N/A	N/A	N/A	N/A

[1]As amorphous silica and non-crystalline silicates
[2]As total dust
[3]As respirable dust
*Refer to federal, state and local occupational exposure limits. Some jurisdictions have published limits that are different from those listed.

Exposure Controls and Personal Protection

Engineering Controls: Provide general or local exhaust ventilation systems in order to maintain airborne concentrations below occupational exposure limits. Local exhaust ventilation should be used whenever possible to prevent the dispersal of airborne contaminants into the work area.

Respiratory Protection: Obtain professional assistance in selecting the appropriate and adequate respiratory protection. If necessary, use the appropriate MSHA/NIOSH approved respirator when engineering controls are not feasible.

Protective Clothing: Chemical protective clothing should not be required under normal circumstances when using this material.

Hygiene Practices: Never eat, drink, use tobacco products or apply cosmetics in areas where hazardous chemicals are used. Employees should wash their hands thoroughly prior to engaging in any of these activities.

Section 9 - Physical and Chemical Properties

Appearance and Odor:	Grey, green granular solid
Boiling Point:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density (Air = 1):	N/A
Specific Gravity (Water = 1):	3.0
Melting Point:	2650 deg. F
Evaporation Rate:	N/A
Water Solubility:	Not soluble in water

Section 10 - Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	None
Hazardous Decomposition or By-Products:	None
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	None
Reactivity:	Inert solid under normal storage and handling, and use conditions

Section 11 - Toxicological Information

Toxicity Data:*

Ingredient	Toxicity (LD50)	Carcinogenicity		
		NTP	IARC	OSHA
SiO2 (Silicates - Amorphous)	>10000 mg/kg	No	No	No
MgO (Magnesium Oxide)	Not Available	No	No	No
Fe2O3 (Iron Oxide)	5500 mg/kg	No	No	No
CaO (Calcium Oxide)	7340 mg/kg	No	No	No

Ni (Nickel) and NiO (Nickel Oxide)	>9000 mg/kg	No	No	No
Cr2O3 (Chromium Oxide)	>10000 mg.kg	No	No	No

Target Organs: None expected

Potential Acute Health Effects

Eyes: May cause minor irritation to eyes

Skin: May cause minor irritation or abrasion

Inhalation: May cause minor irritation upon exposure to high airborne concentrations

Ingestion: May cause digestive irritation, but not expected to cause adverse systemic effects

Potential Chronic Health Effects

Target Organs: None expected

Medical Conditions Potentially Aggravated by Overexposure: None expected

* See NIOSH for additional toxicity data.

Section 12 - Ecological Information

Ecotoxicity: No ecotoxicity effects known or anticipated

Environmental Fate: N/A

Environmental Transport: N/A

Environmental Degradation: None

Section 13 - Disposal Considerations

Refer to federal, state and local waste disposal rules and requirements for proper disposal method.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

This product, as produced and offered, is not listed as a Hazardous Material by the Department of Transportation in 49 CFR 172.

Section 15 – Additional Regulatory Information

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (EPCRA – 40 CFR 372):

Ni (Nickel) and NiO (Nickel Oxide)	7440-02-0	<0.1%

Note: Refer to your federal, state and local environmental, safety and health regulatory agencies for specific additional regulatory requirements in your location.

Section 16 - Other Information

Revision Date: January 10, 2023

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