

Turface SlideMaster

SDS Number: BLM055

Revision Date: 2/22/2018

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PROFILE Products, LLC
750 LAKE COOK ROAD
SUITE 440
BUFFALO GROVE, IL 60089

Emergency: Emergency Phone: (800) 424-9300 (ChemTrec)
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Product Name: Turface SlideMaster
Revision Date: 2/22/2018
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Common Name: N.A.
Product Use: Sports Field Construction

Description: Heat Treated Montmorillonite Clay Mineral.

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Health, Serious Eye Damage/Eye Irritation, 2 B
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Carcinogenicity, 1
- Health, Specific target organ toxicity - Repeated exposure, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

- H320 - Causes eye irritation
- H335 - May cause respiratory irritation
- H350 - May cause cancer (Respiration)
- H372 - Causes damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

GHS Precautionary Statements:

- P202 - Do not handle until all safety precautions have been read and understood.



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- P261 - Avoid breathing dust.
- P284 - In case of inadequate ventilation, wear respiratory protection.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection.
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 - IF exposed or concerned: Get medical advice/ attention.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Inhalation
Inhalation: Lungs
Skin Contact: No

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Fired clay brick chips

Cas#	%	Chemical Name
12141-46-7	70-80%	Aluminum oxide silicate (Al ₂ O(SiO ₄))
14808-60-7	15-30%	Quartz (SiO ₂)
1309-37-1	4-10%	Iron oxide (Fe ₂ O ₃)
12401-86-4	2-4%	Sodium monoxide

Note: This product contains additional not classified substances at low concentrations that do not contribute to the hazards of this product.

4 FIRST AID MEASURES

Inhalation: If symptoms of dust exposure (respiratory irritation) occur, move the person to fresh air. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Skin Contact: Injuries to skin due to abrasion, laceration, or crushing should be treated by flushing with clean water, followed by first aid (application of disinfectant and bandage). If the injury is more extensive or irritation and pain persists, medical attention should be sought.

Eye Contact: If injury is due to a projectile, seek immediate medical attention. If the person's symptom is eye irritation due to dust exposure, careful flushing with clean water should continue for at least 15 minutes. If contact lenses are present, they should be removed after flushing. Flushing should continue until irritation subsides. Medical attention should be obtained if irritation persists.

5 FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Finished product is not combustible.

Special Hazards Arising from the Substance or Mixture Fire Hazard: Not combustible.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions are not expected to occur under normal conditions.

Advice for Firefighters

Not applicable.



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6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures: Do not breathe dust. Do not get in eyes, on skin, or on clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE). Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip clean-up crew with proper protection. Emergency Procedures: Ventilate area if dust is generated.

Environmental Precautions

Reuse product as appropriate to avoid disposal.

Methods and Material for Containment and Clean-Up

Containment: Contain and collect as any solid. Avoid actions that cause dust to become airborne. Do not breathe dust, and do not allow large quantities of dust to contact skin.

Reference to Other Sections

See Section 8. Exposure Controls and Personal Protection. For further information, refer to Section 13.

7 HANDLING AND STORAGE

Handling Precautions:

Precautions for Safe Handling

Additional Hazards when Processed: Cutting, crushing, or grinding crystalline silica-bearing materials will release respirable crystalline silica. Use all appropriate measures of dust control or suppression and Personal Protective Equipment (PPE) described in Section 8.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and again when leaving work.

Storage Requirements:

Not applicable.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Power equipment should be equipped with wet dust suppression or dust collection devices if cutting/grinding/chipping product. Emergency eyewash equipment should be available in the immediate vicinity of any potential exposure. Use local exhaust or general dilution ventilation, or other suppression methods to maintain dust levels below exposure limits. See OSHA Respirable Crystalline Silica Standard for specific task control measures.

Personal Protective Equipment:

Personal Protective Equipment: Protective goggles or safety glasses, and gloves. Wear respiratory protection if dust is present when cutting/grinding/chipping product.

Hand Protection: Protective gloves as appropriate to prevent abrasion and hand injuries. Eye and/or

Face Protection: Approved safety glasses, goggles, and/or face-shield. Skin and Body Protection:

Appropriate work clothing and footwear should be worn.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

The following exposure limits are based on a time-weighted full-shift exposure, unless otherwise noted.

Ingredient

Aluminum oxide silicate (Kaolin)

OSHA PEL(1) - 15 mg/m3 (total dust); 5 mg/m3 dust(respirable fraction)(1)

ACGIH-TLV(2) - 10 mg/m3 (total dust); 3 mg/m3 (respirable fraction)(2)

Quartz (respirable crystalline silica)

OSHA PEL(1) - 50 µg/m3 (respirable fraction) [25 µg/m3 (respirable fraction) action level; see OSHA Respirable Crystalline Silica Standard]

ACGIH-TLV(2) - 0.025 mg/m3 (respirable fraction)(2)

Other(3)(4) - NIOSH REL - 0.05 mg/m3 (respirable fraction)

Magnesium oxide



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OSHA PEL⁽¹⁾ - 15 mg/m³ (total dust)**ACGIH-TLV⁽²⁾** - 10 mg/m³ (respirable dust)

Iron oxide (representative of various inorganic metallic elements)

OSHA PEL⁽¹⁾ - Particulate: 15 mg/m³ (total dust); 5 mg/m³ (respirable fraction)**ACGIH-TLV⁽²⁾** - 5 mg/m³ (respirable fraction)**Other⁽³⁾⁽⁴⁾** - NIOSH REL - 5 mg/m³ (Total Dust)

Sodium Monoxide [control limit based on hydroxide]

OSHA PEL⁽¹⁾ - 2 mg/m³ (ceiling)⁽⁵⁾**ACGIH-TLV⁽²⁾** - 2 mg/m³ (STEL)⁽⁶⁾*Notes:*

(1) OSHA PEL (Permissible Exposure Level at 29 CFR 1910.1000)

(2) ACGIH-TLV (American Conference of Governmental Industrial Hygienists-Threshold Limit Values 2015)

(3) NIOSH REL (National Institute for Occupational Safety & Health Recommended Exposure Limit)

(4) Canadian Provincial and other nation control parameters are listed on the Supplement

(5) Ceiling-Not to be exceeded

(6) STEL (short-term exposure limit)

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brick chips - Solid Object.	Odor:	Essentially Odorless.
Physical State:	Solid	Solubility:	Negligible in water.
Odor Threshold:	Not Available.	Freezing/Melting Pt.:	Not Available.
Spec Grav./Density:	2.6	Flash Point:	Not Available.
Viscosity:	Not Available.	Octanol:	Not Available.
Boiling Point:	Not Available.	Bulk Density:	36 lbs/cubic ft.
Flammability:	Not Available.	Auto-Ignition Temp:	Not Available.
Vapor Pressure:	N.A.	UFL/LFL:	Not Available.
pH:	Not Available.		
Evap. Rate:	Not Available.		
Decomp Temp:	Not Available.		

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STABILITY AND REACTIVITY

Reactivity:	Hazardous reactions are not expected to occur under normal conditions.
Chemical Stability:	Stable
Conditions to Avoid:	Not Applicable.
Materials to Avoid:	Not Applicable.
Hazardous Decomposition:	Not Applicable.
Hazardous Polymerization:	Not Applicable.

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TOXICOLOGICAL INFORMATION**Likely Routes of Exposure****Skin Contact:** Product is abrasive and may irritate unprotected skin.**Eye Contact:** When product is shaped or cut, chips or dust may enter unprotected eyes and cause injury or irritation.**Inhalation:** When product is shaped or cut, respirable dust may be generated that, when inhaled, can cause respiratory system irritation.



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Prolonged or repeated inhalation exposure may cause chronic illness. **Ingestion:** Not expected to be an exposure route of concern.

Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Immediate Effects: Irritation of skin, eyes, and respiratory tract due to abrasion or dust inhalation will produce immediate discomfort.

Delayed and Chronic Effects: Inhalation of dust on a prolonged or repeated basis may result in chronic lung disease or silicosis, and may also result in lung cancer, in particular among tobacco smokers.

Numerical Measures of Toxicity

The acute and chronic effects of exposure to this product's dust have not been quantified.

Carcinogenicity

The ingredient quartz, also known as crystalline silica, has been determined to be carcinogenic by the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP).

12 **ECOLOGICAL INFORMATION**

Toxicity

No additional information available.

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

13 **DISPOSAL CONSIDERATIONS**

Waste Disposal Recommendations: Scrap material should be re-used or recycled. Waste is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) (40 CFR 261). Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

14 **TRANSPORT INFORMATION**

In Accordance with DOT

Not regulated for transport

In Accordance with IMDG

Not regulated for transport

In Accordance with IATA

Not regulated for transport

In Accordance with TDG

Not regulated for transport

15 **REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

Aluminum oxide silicate (Al₂O(SiO₄)) (12141-46-7) [70-80%] TSCA

Quartz (SiO₂) (14808-60-7) [15-30%] MASS, NRC, OSHAWAC, PA, TSCA, TXAIR



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Iron oxide (Fe2O3) (1309-37-1) [4-10%] MASS, OSHAWAC, PA, TSCA, TXAIR

Sodium monoxide (12401-86-4) [n/a%]

Regulatory CODE Descriptions

- TSCA = Toxic Substances Control Act
- MASS = MA Massachusetts Hazardous Substances List
- NRC = Nationally Recognized Carcinogens
- OSHA = OSHA Workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- TXAIR = TX Air Contaminants with Health Effects Screening Level

U.S. Federal Regulations

SARA Section 313 Emission Reporting

This product may contain constituents listed under SARA (Title III) Section 313, but not in amounts requiring supplier notification under 40 CFR Part 372, Subpart C.

TSCA Inventory

All constituents are included on the Toxic Substances Control Act Chemical Inventory (40 CFR 720)

U.S. State Regulations

State Right-to-Know Laws

This product, as an article, is exempt from hazardous substance inventory reporting under the Massachusetts, New Jersey, and Pennsylvania right-to-know laws.

California Proposition 65-Warning Required

WARNING: This product contains crystalline silica and other chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

Canadian Regulations

DSL

All ingredients are listed or exempt from inclusion on the Canadian Domestic Substances List (DSL).

WHMIS

Class D, Division 2, Subdivision A - Material causing other toxic effects. Very Toxic-Chronic.

This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all information required by the CPR.

16	OTHER INFORMATION
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Disclaimer:

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