



Safety Data Sheet

Solutions for your Environment* OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 03/27/2026

Revised on 03/27/2026

1 Identification

- **Product Identifier**
- **Trade Name:** *Surface Elite Mound Clay*
- **Relevant identified uses of the substance or mixture and uses advised against:** Mound construction
- **Product Description:** Natural occurring clay mineral
- **SDS number:** BLM080
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
PROFILE Products LLC
750 W Lake Cook Rd, #440
Buffalo Grove, IL 60089
(847) 215-3464
<https://www.profileproducts.com/>
- **Emergency telephone number:**
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard-determining components of labeling:**
Quartz (SiO₂)
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.
- **Information pertaining to particular dangers for man and environment:**
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known
- **Classification according to (d)(1)(ii) of § 1910.1200**
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

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Trade Name: Surface Elite Mound Clay**· Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/Information on Ingredients

· Non-hazardous components:

CAS: 1302-78-9 RTECS: CT9450000	Clay	60-90%
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· Chemical characterization: Substance**· Description:**

Mixture of substances listed with non-hazardous additions and/or components that are less than listing threshold. All non-hazardous, components listed under threshold, and listed component total 100%.

· Dangerous Components:

CAS: 14808-60-7 RTECS: VV 7330000	Quartz (SiO ₂) ⚠ Carcinogenicity 1A, H350; Specific target organ toxicity (repeated exposure) 1, H372; ⚠ Acute toxicity - inhalation 4, H332; Specific target organ toxicity (single exposure) 3, H335; Eye irritation 2B, H320	15-35%
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· Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

· Description of first aid measures**· General information:** If symptoms persist, call a physician.**· After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in the side position for transportation.

· After skin contact:

Generally, the product does not irritate the skin. If skin irritation occurs, consult a doctor.

· After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor. If eye irritation occurs, consult a doctor. Rinse opened eye for several minutes under running water.

· After swallowing:

Immediately call a doctor. If swallowed and symptoms occur, consult a doctor.

· Most important symptoms and effects, both acute and delayed:

Quartz: Can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death; inhaled from occupational sources is classified as carcinogenic to humans. Some studies show in workers exposed to respirable quartz excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease, chronic bronchitis and emphysema.

· Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5 Fire-Fighting Measures

· Extinguishing media**· Suitable extinguishing agents:** Use fire fighting measures that suit the environment.**· For safety reasons unsuitable extinguishing agents:** No further relevant information.**· Special hazards arising from the substance or mixture:** No further relevant information available.

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Trade Name: Surface Elite Mound Clay**· Advice for firefighters****· Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective clothing and equipment. Sweep up or vacuum, avoiding the creation of airborne dust, and collect into a suitable container for disposal.

· Environmental precautions: No special measures required.**· Methods and material for containment and cleaning up:**

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· PAC-1:

14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
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· PAC-2:

14808-60-7	Quartz (SiO ₂)	8.3 mg/m ³
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· PAC-3:

14808-60-7	Quartz (SiO ₂)	50 mg/m ³
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· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· Precautions for safe handling:

Avoid generating and breathing dust. Avoid eye contact. Use with adequate ventilation. If clothing becomes contaminated, remove and launder before re-use. Wash thoroughly after handling.

· Information about protection against explosions and fires: No special measures required.**· Conditions for safe storage, including any incompatibilities****· Storage****· Requirements to be met by storerooms and receptacles:** Store in a dry area.**· Information about storage in one common storage facility:** Not required**· Further information about storage conditions:** Keep receptacle tightly sealed.**· Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

· Control parameters:**· Components with occupational exposure limits:****14808-60-7 Quartz (SiO₂)**

PEL	Long-term value: 0.05* mg/m ³
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	*resp. dust; 30mg/m ³ /%SiO ₂ +2
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REL	Long-term value: 0.05* mg/m ³
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	*respirable dust; See Pocket Guide App. A
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TLV	Long-term value: 0.025* mg/m ³
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	*respirable particulate matter, A2
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- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Appropriate engineering controls** No further data; see section 7.
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
- **Breathing equipment:** Not required
- **Protection of hands:** Not required
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:** None

9 Physical and Chemical Properties

Information on basic physical and chemical properties**General Information**

- | | |
|---|--|
| · Physical state | Solid |
| · Color: | Red-brown |
| · Odor: | Odorless |
| · Odor threshold: | Not determined |
| · Melting point/Melting range: | Not determined. |
| · Boiling point/Boiling range: | Not determined. |
| · Flammability: | Not determined |
| · Explosion limits: | |
| · Lower: | Not determined |
| · Upper: | Not determined |
| · Flash point: | None |
| · Auto igniting: | Not applicable |
| · Decomposition temperature: | Not determined |
| · pH-value: | Not determined. |
| · Viscosity: | |
| · Kinematic: | Not applicable |
| · Dynamic: | Not applicable |
| · Solubility in / Miscibility with: | |
| · Water: | Soluble. |
| · Partition coefficient (n-octanol/water): | Not determined |
| · Vapor pressure: | Not applicable |
| · Vapor pressure: | |
| · Density @ 20 °C (68 °F): | 2.2 g/cm ³ (18.359 lbs/gal) |
| · Relative density: | Not determined |
| · Vapor density: | Not applicable |
| · Particle characteristics | Not determined |

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- **Other information:**
- **Appearance:**
- **Form:** Solid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Solvent content:**
- **VOC content:** 0.00 %
- **Solids content:** 100.0 %
- **Change in condition**
- **Evaporation rate:** Not applicable.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Contact with fluorine, oxygen difluoride, and chlorine trifluoride will cause fire.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

14808-60-7 Quartz (SiO₂)

Oral	LD50	>22,500 mg/kg (Rat) mg/kg (rabbit)
Inhalative	LC50/96 hours	1,033 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Interactive effects** No interactive effects between components are known.

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

"In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore,

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preventing the onset of silicosis will also reduce the cancer risk." (SCOEL SUM Doc 94-final, June 2003)
According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled"

14808-60-7	Quartz (SiO ₂)	1
· NTP (National Toxicology Program):		
14808-60-7	Quartz (SiO ₂)	K
· OSHA-Ca (Occupational Safety & Health Administration):		
None of the ingredients are listed.		
· Alternative sources for toxicological information		
No non-standard sources for toxicological information where used.		

12 Ecological Information

· Toxicity:	
· Aquatic toxicity:	
14808-60-7 Quartz (SiO ₂)	
EC50	218 mg/l (Green algae)
· Persistence and degradability: No further relevant information available.	
· Bioaccumulative potential: No further relevant information available.	
· Mobility in soil: No further relevant information available.	
· Results of PBT and vPvB assessment:	
· PBT: Not applicable	
· vPvB: Not applicable	
· Other adverse effects:	
· Additional ecological information:	
· General notes: Not known to be hazardous to water.	

13 Disposal Considerations

· Waste treatment methods	
· Recommendation:	
Observe all federal, state and local environmental regulations when disposing of this material.	
· Uncleaned packaging	
· Recommendation: Disposal must be made according to official regulations.	
· Recommended cleansing agent: Water, if necessary with cleansing agents.	

14 Transport Information

· UN-Number:	
· DOT, ADR/ADN, IMDG, IATA	Non-Regulated Material
· UN proper shipping name:	
· DOT, ADR/ADN, IMDG, IATA	Non-Regulated Material
· Transport hazard class(es):	
· DOT, ADR/ADN, ADN, IMDG, IATA	
· Class:	Non-Regulated Material
· Packing group:	
· DOT, ADR/ADN, IMDG, IATA	Non-Regulated Material
· Environmental hazards:	Not applicable

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- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable
- **Special precautions for user:** Not applicable
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.

- **SARA (Superfund Amendments and Reauthorization):**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

None of the ingredients are listed.

- **California Proposition 65:**

- **Chemicals known to cause cancer:**

14808-60-7 Quartz (SiO₂)

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **New Jersey Right-to-Know List:**

14808-60-7 Quartz (SiO₂)

- **New Jersey Special Hazardous Substance List:**

14808-60-7 Quartz (SiO₂)

CA

- **Pennsylvania Right-to-Know List:**

14808-60-7 Quartz (SiO₂)

- **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

- **Carcinogenic categories:**

- **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

- **TLV (Threshold Limit Value established by ACGIH):**

14808-60-7 Quartz (SiO₂)

A2

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

14808-60-7 Quartz (SiO₂)

- **GHS label elements** Non-Regulated Material

- **Hazard pictograms:** Non-Regulated Material

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- **Signal word:** Non-Regulated Material
- **Hazard-determining components of labeling:**
Quartz (SiO₂)
- **Hazard statements:** Non-Regulated Material

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of preparation** 03/27/2026
- **Abbreviations and acronyms:**
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute toxicity - inhalation 4: Acute toxicity – Category 4
Eye irritation 2B: Serious eye damage/eye irritation – Category 2B
Carcinogenicity 1A: Carcinogenicity – Category 1A
Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3
Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1
- *** Data compared to the previous version altered.**
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