Safety Data Sheet

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SECTION 1 : Identification

1.1. Product Name: Aggregate

1.2 Alternative Name(s) or Identification: Texture Mix / Stamp Mix

1.3 Recommended use and restrictions on use: Various. Use in well ventilated area.

1.4 SDS Supplier details:

Company: Xcel Surfaces
Address: 3750 W Indian School Rd
Phoenix, AZ 85019
Telephone: 602-636-6720

1.5 Emergency telephone number
Xcel Surfaces 800-644-9131
CHEMTREC 800-424-9300

1.6 Chemical Name: Portland Cement (calcium compounds, calcium silicate compounds, etc.), Crystalline Silica

SECTION 2: Hazard Identification

2.1 Hazard Classification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation (Category 1)
Eye damage (Category 1)
Skin sensitization (Category 1)
Carcinogenicity - Inhalation (Category 1)

2.2 Hazard Statements

Signal Word:
Danger

Hazard Statement(s):
May cause severe skin burns and eye damage
May cause an allergic skin rash
May cause serious eye damage and irritation
May cause cancer (inhalation, dermal exposures)

Hazard Pictogram(s):



Precautionary Statement(s):
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Do not breathe dust
Wash clothing, face, hands, etc. thoroughly after handling
Contaminated work clothing should not be permitted outside of the workplace
Wear eye protection, protective clothing, protective gloves
If swallowed, rinse mouth; Do not induce vomiting
If on skin (or hair), rinse skin with water/shower
If inhaled, remove person to fresh air and keep comfortable for breathing
If in eyes, rinse cautiously with water for several minutes; Remove contact lenses (if applicable), continue rinsing
If exposed or concerned, seek medical advice/attention
If skin irritation or rash occurs, seek medical advice/attention
Wash contaminated clothing before reuse
Dispose of contents/containers to comply with local/regional/national regulations

2.3 Hazards not otherwise classified

This product may contain trace amounts of insoluble compounds such as calcium oxide, magnesium oxide, potassium sulfate, sodium sulfate, chromium compounds, and nickel compounds. The quantity of potential trace compounds may be determined by chemical analysis.

SECTION 3: Composition/Information on Ingredients

Component	CAS No	%Wt
Portland Cement	65997-15-1	Trade Secret*
Microcrystalline Silica (Quartz)	14808-60-7	Trade Secret*
Amorphous Silica	14808-60-7	Trade Secret*
Crystalline Silica (Quartz)	14808-60-7	Trade Secret*

*The specific chemical identity and/or exact percentages of certain components have been withheld in accordance with paragraph (i) of the 1910.1200 OSHA Hazard Communication standard regarding trade secrets.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Inhalation:
If breathed in, move person to fresh air
If not breathing, give artificial respiration
If cough or respiratory irritation persist, seek medical attention

Skin Contact:
Wash hands with soap and plenty of water
Seek medical attention for large exposures, burns, rashes, etc.

Eye Contact:
Flush eyes with large amounts of clean water
Remove contact lenses if easy to do
Seek medical attention

Ingestion:
Get medical attention immediately
DO NOT induce vomiting unless instructed to do so by a medical professional
Never give anything by mouth to an unconscious person

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2

4.3 Indication of any immediate medical attention and special treatment required

Immediate medical attention and/or special treatment may be required if large quantities of the product are inhaled or ingested.

SECTION 5: Fire-Fighting Measures

5.1. Suitable extinguishing media

Product is not flammable - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide on surrounding fire as appropriate

5.2. Hazardous thermal decomposition products
Carbon dioxide
Carbon monoxide
Metal oxides
Sulfur oxides

5.3. Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation and/or aerosolization of product. Avoid breathing dust. For personal protective equipment recommendations, please refer to Section 8.

6.2. Methods and material for containment and cleaning up

Wear appropriate personal protective equipment as described in Section 8 for cleaning, containing and removing the spill. Minimize generation of dust. For small spills, clean with a vacuum with a filtration system sufficient to remove and prevent recirculation of dust (a vacuum equipped with a high-efficiency particulate air (HEPA) filter is recommended). For large spills, use control dust measures and carefully scoop or shovel into clean dry container for later reuse or disposal. DO NOT USE COMPRESSED AIR TO CLEAN SPILLS. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling
Utilize appropriate personal protective equipment (as outlined in Section 8). Avoid skin/eye contact. Keep out of reach of children. Avoid breathing dust. Do not eat, drink or smoke when using this product. Avoid release to the environment. Avoid contact with oxidizing agents and/or strong acids. Use good personal hygiene during and after product use/handling.

7.2. Conditions for safe storage including any incompatibilities
Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from incompatible materials such as strong acids and oxidizing agents.

SECTION 8: Exposure Controls/Personal Protection

8.1 Occupational Exposure Limits (OEL)

OSHA PEL	Portland Cement	50 mppcf
	Crystalline Silica (Quartz – respirable)	$\frac{10\ mg/m^3}{\%\ SiO_2 + 2}$
	Amorphous Silica (Quartz – respirable)	$\frac{80\ mg/m^3}{\%\ SiO_2 + 2}$
NIOSH REL	Portland Cement	10 mg/m^3 (total) 5 mg/m^3 (respirable)
	Crystalline Silica (respirable)	0.05 mg/m^3
ACGIH TLV	Portland Cement	1 mg/m^3 (respirable)
	Silica	0.025 mg/m^3

OSHA = Occupational Safety & Health Administration
NIOSH = National Institute of Occupational Safety& Health
ACGIH = American Conference of Governmental Industrial Hygienists
TWA = Time-weighted average
ST = Short-Term Exposure Limit (15-minute TWA)
STEL = Short-Term Exposure Limit (15-minute TWA)
PEL = Permissible Exposure Limit (8-hour TWA)
REL = Recommended Exposure Limit (10-hour TWA)
TLV = Threshold Limit Value (8-hour TWA)
ppm = parts per million
mg/m^3 = milligrams per cubic meter
mppcf = millions of particles per cubic foot of air

8.2 Engineering Controls

Utilize product in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to minimize worker exposures to airborne dust. Follow good industrial hygiene practice.

8.3 Personal Protective Equipment (PPE)

Eye/face protection
Use eye protection tested and approved by the appropriate regulating agency (OSHA, ANSI, etc.). Safety glasses, goggles, and or face shields are recommended with handling the product. Wearing contact lenses while working with the product is not recommended.

Skin/hand protection
Handle product with impervious and waterproof gloves (Nitrile® or equivalent are recommended). Prevent the product from getting inside the gloves during work. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with the product. Dispose of soiled gloves according to applicable laws.

Respiratory protection
Respiratory protection is recommended when handling the product in order to prevent exposures from exceeding occupational exposure limits (OELs). Choice of respirator will depend on anticipated airborne concentrations of product components, and in accordance with NIOSH recommendations.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Powder
Odor:	Generally odor free
Odor Threshold:	No data available
pH:	No data available (Portland Cement 12 – 14)
Melting Point/Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability:	No data available
Flammability Limits (upper/lower):	No data available
Vapor Pressure:	No data available
Vapor Density:	< 1
Relative Density:	No data available
Solubility:	Slightly soluble in water
Partition Coefficient (n-octanol/water):	No data available
Auto-Ignition Temperature:	No data available
Viscosity:	No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
Stable under recommended storage conditions

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Strong oxidizing agents
Strong acids

10.6. Hazardous decomposition products
Under normal condition of storage and use, hazardous decomposition products are not anticipated

SECTION 11: Toxicological Information

11.1 Information on Likely Routes of Exposure

Inhalation:
Exposure to airborne crystalline silica dust may cause respiratory tract irritation. Long-term inhalation of silica dust may result in pneumoconiosis (silicosis).

Ingestion:
Portland Cement LD50/LC50: No data available

Skin & Eye Contact:
May cause irritation and sensitization due to the potential presence of trace amounts of hexavalent chromium in Portland Cement

11.2 Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Inhalation:
Coughing, wheezing, dyspnea, respiratory tract irritation, progressive respiratory symptoms (silicosis)

Ingestion:
Stomach pain, vomiting

Skin Contact:
Irritation, pain, redness, burns, blistering

Eye Contact:
Irritation, pain, watering, redness

11.3 Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure
Long-term respiratory exposure to crystalline silica dust may result in progressive respiratory symptoms and pneumoconiosis (silicosis).

11.4 Acute Toxicity
No data available

11.5 Carcinogenicity

IARC: Crystalline silica (Quartz) is classified in Group 1, carcinogenic to humans.
Silica (amorphous) is classified in Group 3, not classifiable as to its carcinogenicity to humans

NTP: Crystalline silica (respirable) is known to be a human carcinogen.

SECTION 12: Ecological Information

12.1 Ecotoxicity
Aquatic: No data available
Terrestrial: 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

Dispose of product and/or container in accordance with all municipal, county, state, federal, and international regulations.

SECTION 14: Transport Information

DOT: Not considered dangerous goods

IMDG: Not considered dangerous goods

IATA: Not considered dangerous goods

SECTION 15: Regulatory Information

15.1. EPA Regulations

SARA 302 Components
No chemicals in this product are subject to the reporting requirement of SARA Title III, Section 302.

SARA 313 Components
This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimus) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
This product qualifies as a “hazardous substance” with delayed effects.

California Prop. 65 Components
This product contains chemical(s) in trace concentrations known to the state of California to cause cancer.

Hexavalent Chromium (trace associated with portland cement)

This product contains chemical(s) known to the state of California to cause cancer.

Silica (Quartz - crystalline) – CAS 14808-60-7

SECTION 16: Other Information

NFPA Hazard Classification

Health: 3
Flammability: 0
Reactivity: 0
Special Hazards: None

HMIS Hazard Classification

Health: 3
Flammability: 0
Physical Hazards: 0

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