SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Trade name : Accel Polymeric Sand (Saddle Tan)

SDS Number : BLC00009

Product group : Commercial product

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation : Polymeric sand for specialty applications
"This product is not intended for and is strictly prohibited for sandblasting"

1.3. Details of the supplier of the safety data sheet

Fairmount Santrol
3624 E. 2351st Road
Serena, IL 60549, USA
T 800-258-3878 (Customer Service)
customerservice@fairmountsantrol.com
www.fairmountsantrol.com

1.4. Emergency telephone number

Emergency number : 800-258-3878
8:00 AM to 5:00 PM CST Monday through Friday

Chemtrec 24 hour service : Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)
For emergency calls only. Non-emergency calls cannot be serviced at this number.

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Toxicity 4 (Oral)	H302
Serious Eye Irritation 2A	H319
Skin Sensitization 1	H317
Carcinogenicity 1A	H350
Specific Target Organ Toxicity Single Exposure (Lungs) 3	H335
Specific Target Organ Toxicity After Repeated Exposure (Lungs) 1	H372

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US):

Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H302 - Harmful if swallowed H319 - Causes serious eye irritation H317 - May cause an allergic skin reaction H335 - May cause respiratory irritation H350 - May cause cancer (inhalation) H372 - Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation)
Precautionary statements (GHS-US)	: P301+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. DO NOT induce vomiting. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical attention. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P312 - Call a POISON CENTER/doctor if you feel unwell P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P363 - Wash contaminated clothing before reuse P308+P313 - IF exposed or concerned: Get medical advice/attention P314 - Get medical advice and attention if you feel unwell. P264 - Wash hands and forearms thoroughly after handling P270 - Do not eat, drink or smoke when using this product P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection, protective clothing, protective gloves P260 - Do not breathe dust P271 - Use only outdoors or in a well-ventilated area P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container according to local, regional, national, and international regulations.

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%
Quartz	(CAS No.) 14808-60-7	90 - 100
Portland Cement	(CAS No.) 65997-15-1	1.0 – 2.5

SECTION 4: First Aid Measures

4.1. Description of first aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Rinse immediately with plenty of water. Gently wash with plenty of soap and water. Remove contaminated clothing and shoes. Obtain medical attention if irritation persists.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if worn. Seek medical attention if material is embedded in eye. If eye irritation persists: Get medical attention.

First-aid measures after ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Repeated or prolonged inhalation may damage lungs.

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Chronic inhalation of crystalline silica may cause silicosis, a fibrosis (scarring of the lungs). Silicosis may be progressive; it may lead to disability and death. May cause cancer.

Symptoms/injuries after skin contact : May cause skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may develop sufficient heat that may cause severe burns possibly resulting in permanent skin injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry, irritated skin. May cause sensitization by skin contact. Prolonged contact with large amounts of dust may cause mechanical irritation. Dust may cause irritation on skin folds or by contact in combination with tight clothing.

Symptoms/injuries after eye contact : Causes serious eye irritation. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Scratching of cornea can occur if eye is rubbed.

Symptoms/injuries after ingestion : Harmful if swallowed. May cause abdominal pain, nausea, vomiting and/or diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media : This product will not burn.

Unsuitable extinguishing media : This product will not burn.

5.2. Special hazards arising from the substance or mixture

Fire hazard : This product will not burn.

Explosion hazard : No particular fire or explosion hazard.

Reactivity : Hazardous reactions will not occur under normal conditions.

5.3. Special hazards arising from the substance or mixture

Fire hazard	: This product will not burn.
Explosion hazard	: No particular fire or explosion hazard.
Reactivity conditions.	: Hazardous reactions will not occur under normal

5.3. Advice for firefighters

Precautionary measures fire	: N/A
Firefighting instructions	: Not flammable.
Protection during firefighting	: N/A

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not breathe dust. Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Wear suitable protective clothing, gloves, eye and respiratory protection.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection.

Emergency procedures : Collect any solid.

6.1.2. For emergency responders

No additional information available.

6.2. Environmental precautions

Do not flush material to sewer or allow to enter waterways.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

6.4. Reference to other sections

No additional information available.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not breathe dust and allow product to contact skin or eyes.

Precautions for safe handling : Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection. Do not swallow. Avoid contact with skin and eyes. Avoid creating or spreading dust. Use of compressed air for cleaning clothing, equipment or work area is not recommended. When using, do not eat, drink or smoke. Handle material with care.

Hygiene measures : Handle in accordance with good safety procedures. Always wash hands immediately after handling this product, and before eating, drinking and smoking. Launder contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool place. Keep labeled container tightly closed, when not in use. Keep out of the reach of children.

7.3. Specific end use(s)

Polymeric sand for specialty applications

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

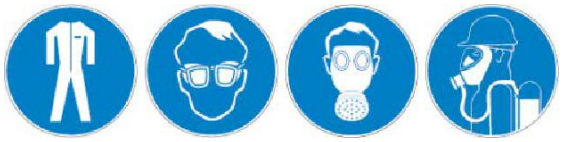
Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
USA IDLH	US IDLH (mg/m^3)	50 mg/m³
USA NIOSH	NIOSH REL (TWA) (mg/m^3)	0.05 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m^3)	0.05 mg/m³ Respirable dust averaged over an 8-hour shift. (50 micrograms per cubic meter)
	New OSHA PEL from 2016 Respirable Crystalline Silica Standard took effect on June 23, 2016, after which industries have one to five years to comply with most requirements, based on the following schedule: Construction - June 23, 2017 General Industry and Maritime – June 23, 2018 Hydraulic Fracturing - June 23, 2018, for all provisions except Engineering Controls, which have a compliance date of June 23, 2021. Prior OSHA PEL 10 mg/m3 / % SiO2 + 2 respirable dust TWA over an 8-hour shift with PEL for crystalline silica as cristobalite or tridymite; ½ the value calculated from the respirable dust formula for quartz. https://www.osha.gov/silica/	

Portland Cement (65997-15-1)		
USA ACGIH	ACGIH TWA (mg/m³)	1 mg/m³ (respirable)
USA NIOSH	NIOSH REL (TWA) (mg/m^3)	10 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m^3)	15 mg/m³ - total dust 5 mg/m³ - respirable fraction

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Keep airborne levels of dust, fume, vapor, etc. below recommended exposure limits. Avoid dust production.

Personal protective equipment : In case of dust production: dustproof and waterproof clothing. In case of dust production: Protective chemical safety goggle and/or properly fitted face shield. Insufficient ventilation: wear respiratory protection. High dust production: self-contained breathing apparatus.



Hand protection	: Impermeable, waterproof protective gloves.
Eye protection	: Protective chemical safety goggles and/or properly fitted face shield
Skin and body protection	: Handle in accordance with good industrial hygiene and safety practice. Wear suitable waterproof protective clothing. Always wash your hands after handling this product.
Respiratory protection	: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits. Respirators should be selected by and used under the guidance of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection. A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas.
Consumer exposure controls	: Do not breathe dust. Wear recommended personal protective equipment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystalline powder
Color	: Various
Odor	: Characteristic
Odor threshold	: No data available
pH	: 11 – 13 (alkaline)
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity	: No data available
Explosive properties	: None known.
Oxidizing properties	: None known.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions of use.

10.2. Chemical stability

Stable under normal temperature and pressure. Store material away from moisture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Incompatible materials. Keep away from moisture.

10.5. Incompatible materials

Wet cement is alkaline. Incompatible with acid, ammonium salts and aluminum metal. Strong oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, and oxygen difluoride, may cause fire.

10.6. Hazardous decomposition products

Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : May cause cancer (inhalation).

Quartz (14808-60-7)	
IARC group	Group 1
National Toxicity Program (NTP) Status	Known Human Carcinogen

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).

Additional information	Repeated or prolonged exposure to respirable crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.
Aspiration hazard	Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Persistence and degradability : No data available

12.3. Bioaccumulative potential

Bioaccumulative potential : No data available

12.4. Mobility in soil

No additional information

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Waste disposal recommendations : Disposal must be done according to official local, state, provincial, and federal regulations.

SECTION 14: Transport Information

In accordance with DOT / TDG / ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory Information

15.1. US Federal regulations

Quartz (14808-60-7)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

Quartz (14808-60-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Portland Cement (65997-15-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Quartz (14808-60-7)	
Listed on the Canadian DSL (Domestic Substances List) inventory	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Portland Cement (65997-15-1)	
Listed on the Canadian DSL (Domestic Substances List) inventory	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

15.2.2. National regulations

Quartz (14808-60-7)
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

15.3. US State regulations

This product contains one or more chemical components or ingredients that are included or listed on the hazardous substances lists for one or more of the following states: California, Maine, Minnesota, New Jersey, Pennsylvania, and Rhode Island.

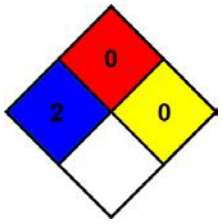
Quartz (14808-60-7)

U.S. - California - Proposition 65 – Carcinogen
WARNING! This product contains chemicals known to the State of California to cause cancer birth, defects or other reproductive harm.

U.S. - Hawaii - Occupational Exposure Limits - TWAs
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - Mineral Dusts
U.S. - Illinois - Toxic Air Contaminant Carcinogens
U.S. - Maine - Chemicals of High Concern
U.S. - Massachusetts - Right to Know List
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - TWAs
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - Oregon - Permissible Exposure Limits - Mineral Dusts
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits – TWAs

SECTION 16: Other Information

NFPA health hazard	: 2	Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 0	Materials that will not burn.
NFPA reactivity	: 0	Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health	: 2	Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0	Minimal Hazard
Physical	: 0	Minimal Hazard
Personal Protection	: E	

Full text of H-phrases:

H302	Harmful if swallowed
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
Carc. 1A	Carcinogenicity Category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

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