

US Concrete Products
US Floor Level
MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

Company: US Concrete Products
Address: 16 Greenmeadow Drive, #202
Timonium, MD 21093
Product Name: US Floor Level
Product Description: Cementitious\ Repair Mortar
Emergency Contact No.: 1-800-424-9300
Date Prepared or Revised: March 2015

II. HAZARD IDENTIFICATION



Physical Hazards: Not Classified
Health Hazards: Skin Corrosion/Irritation Category 2
Serious Eye Damage/Irritation Category 1
Sensitization, Skin Category 1
Carcinogenicity Category 1A
STOT, Repeated Exposure Category 2 (Lung)
Environmental Hazards: Not Classified
OSHA Hazards: Combustible Dust

Signal Word: DANGER!
Hazard Statements: Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure. May form combustible dust concentrations in air.

Precautionary Statements:
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust, fumes, or vapors. Use only outdoors or in a well-ventilated area. Do not eat, drink, or smoke when using this product. Do not allow dust to build up on surfaces. Wash thoroughly after handling. Contaminated clothing should not be allowed out of the workplace.
Response: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

Hazards Not Otherwise Classified (HNOC)

Can form explosive air-dust mixtures, avoid creating dust.

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III. COMPOSITION / INFORMATION ON INGREDIENTS

General Information: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Chemical Names	CAS Numbers	Weight %
Crystalline Silica	14808-60-7	40-60
Cement, Portland	65997-15-1	10-30
Fly Ash	68131-74-8	5-15
CSA Cement	93662-00-4	1-10

IV. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN.**

Skin Contact: Remove product and immediately wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN.**

Ingestion: **Rinse mouth immediately DO NOT INDUCE VOMITING.**

Inhalation: Remove patient to fresh air. If patient continues to experience difficulty breathing, **CONSULT A PHYSICIAN.**

Irritant effects. Symptoms include itching, burning, redness and tearing. Permanent eye damage, including blindness could result. Discomfort in the chest, shortness of breath, coughing.

V. FIRE-FIGHTING MEASURES

Flashpoint: N/A

Suitable Extinguishing Media: Not Applicable

Additional Information: Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agent normally used are sufficient.

Hazards during Fire-Fighting: Product is not combustible or explosive.

Protective Equipment for Fire-Fighting: self-contained breathing apparatus is recommended to limit exposure to other combustion products when fighting any fire

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use cautious judgment when cleaning up spill. Shut off leaks, if possible without personal risk. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

Environmental Precautions: Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

Clean-up Methods: **Small spills:** Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. **Large spills:** Approach suspected leak areas with caution. Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.

Additional Information: Notify authorities if any exposures to the general public or environment occur or are likely to occur. Dispose in accordance with federal, state, and local regulations

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Personal Precautions:

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental Precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Avoid raising dust. For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal. For residues: Rinse with plenty of water.

VII. STORAGE AND HANDLING

Handling General Advice:

Avoid dust formation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection Against Fire and Explosion: No special precautions necessary.

Storage General Advice:

Containers should be stored tightly sealed in a dry place. Storage Incompatibility: General advice: Segregate from metals. Segregate from acids. Segregate from dyes. Segregate from oxidants. Segregate from foods and animal feeds.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Workplace Control Parameters**Crystalline Silica:**

OSHA TWA value 2.4 millions of particles per cubic foot of air Respirable:
The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.

TWA value 0.1 mg/m³ Respirable:

The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.

TWA value 0.3 mg/m³ Total Dust:

The value is calculated from specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.

ACGIH TWA value 0.025 mg/m³ Respirable fraction

Cement, Portland:

OSHA PEL 5mg/m³ Respirable fraction: PEL 15mg/m³ Total Dust:

ACGIH TWA Value 1 mg/m³ Respirable fraction :

The value is for particulate matter containing no asbestos and <1% crystalline silica.

Personal Protective Equipment**Respiratory Protection:**

Breathing protection if dusts are formed.

Hand Protection:

Chemical resistant protective gloves, Manufacturer's directions for use should be observed because of great diversity of types.

Eye Protections:

Tightly fitting safety goggles (chemical goggles).

Body Protections:

Body protection must be chosen based on level of activity and exposure.

General Safety and Hygiene Measures: Avoid contact with skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift, the skin should be cleaned and skin care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks)

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IX. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder	Freezing Point:	N/E
Color:	Gray	Flash Point:	N.A.
Odor:	Characteristic	Specific Gravity:	2.7 @ 75°F
Vapor Pressure:	N. A.	Solubility In Water:	Insoluble
Melting Temperature:	>1000°C		

X. REACTIVITY DATA

Stability:	Stable under normal storage conditions.
Condition to Avoid:	Avoid dust formation. Avoid humidity
Substance to Avoid:	Strong acids Strong bases, strong acids
Hazardous Reactions:	The product is stable if stored and handled as prescribed/indicated. Strong bases are formed on the addition of water.
Decomposition Products:	No hazardous decomposition products if stored and handled as prescribed/indicated.

XI. TOXICOLOGICAL PROPERTIES

Acute Oral (LD₅₀, Rat):	Non toxic
Acute Dermal (LD₅₀, Rabbit):	N/E
Acute Inhalation (LC₅₀, Rat):	N/E
Chronic Health Hazard:	
Irritation / Corrosion:	Information on: Cement, Portland. Assessment of Irritating effects: Skin contact causes irritation. May cause severe damage to the eyes.
Repeated Dose Toxicity:	Information on: Crystalline Silica. Repeated inhalation exposure may affect certain organs. The substance may cause increase in lung mass and lung tissue changes after repeated inhalation. This product may contain greater than 0.1% crystalline silica. Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.
Carcinogenicity:	Information on: Crystalline Silica: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosols classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen NTP listed carcinogen
Experiences in Humans:	Information on: Crystalline Silica May cause silicosis.
Other Information:	Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

XII. Ecological Information

General Information:	Information given is based on data on the components and the ecotoxicology of similar products. This material is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
Supporting Data:	Persistence and degradability: Not readily biodegradable. Bioaccumulative potential: Not expected to bioaccumulate. Mobility in soil: No data available.

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

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XIII.

DISPOSAL CONSIDERATIONS

Waste Disposal of Substance: This material is not a hazardous waste by RCRA criteria (40 CFR 261). Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

Container Disposal: Completely emptied packaging can be given for recycling.

XIV. TRANSPORTATION

DOT: Not Regulated For Transport

ICAO/IATA: Not classified as a dangerous good under transport regulations

IMDG: Not classified as a dangerous good under transport regulations

XV. REGULATORY INFORMATION

Country	Regulatory List
USA	TSCA

EPA SARA Title III Section 312 (40 CFR 370) Hazardous Classification: Acute/Chronic

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above ‘de minimus’ level: None.

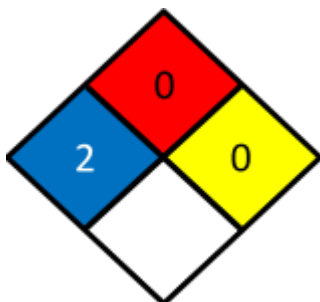
US. California “Safe Drinking Water and Toxic Enforcement Act” (Proposition 65): This product contains a chemicals that are known to the State of California to cause cancer

Component	Regulation	Concentration	Remarks
Silicon Dioxide	ACGIH	Trace	Carcinogenic

XVI. OTHER INFORMATION

NFPA Ratings

HMIS RATING



HEALTH HAZARD	2
FLAMMABILITY HAZARD	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

Legend:

- ACGIH:** American Conference of Governmental Industrial Hygienists
- CAS No.:** Chemical Abstract Service Registry Number
- CERCLA:** Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)
- CPR:** Controlled Product Regulations (Canada)
- DOT:** Department of Transportation (U.S.)
- EPA:** Environmental Protection Agency (U.S.)
- GHS:** Globally Harmonized System of Classification and Labeling of Chemicals
- HEPA:** High-Efficiency Particulate Air
- HMIS:** Hazardous Materials Identification System
- IARC:** International Agency for Research on Cancer
- IATA:** International Air Transport Association
- IMDG:** International Maritime Dangerous Goods code
- LPP:** Limité Permissible Ponderado (Chile)
- NIOSH:** National Institute of Occupational Safety and Health (U.S.)
- NFPA:** National Fire Protection Association (US)
- NTP:** National Toxicology Program (US)
- OSHA:** Occupational Safety and Health Administration (U.S.)

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PEL: Permissible Exposure Limit
SARA: Superfund Amendments and Reauthorization Act (U.S. EPA)
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
STOT: Specific Target Organ Toxicity (GHS Classification)
TLV: Threshold Limit Value
TSCA: Toxic Substances Control Act (U.S.)
TWA: Time Weighted Average (exposure for 8-hour workday)
U.S.: United States
VOC: Volatile Organic Compounds
WHMIS: Canadian Workplace Hazardous Materials Information System

Safety Data Sheet (SDS) is prepared in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this SDS. This SDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

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