

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012, CPR, NOM-018-STPS-2000 Standards & GHS

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Charah Solutions Pozzolan

Product Identities: Pozzolan

Supplier/Manufacture:

Charah Solutions, Inc.
12601 Plantside Dr.
Louisville, KY 40299
877-314-7724

**Poison Control System:
(800) 222-1222**

Recommended Uses: Charah Solutions Pozzolan is a pozzolanic cement replacement. **Restrictions on Use:** Strong acids, Fluorine and Strong

SECTION 2: HAZARD IDENTIFICATION

	WARNING	 Respiratory Protection	 Eye Protection
	<p>Irritant: Causes eye, skin and inhalation irritation</p> <p>Use proper engineering controls, work practices, and personal protective equipment to prevent exposure to wet or dry product.</p> <p>Read SDS for details.</p>		

GHS Classification: (Please see GHS Classifications on our website under Resources)

Eye Irritant - Category 2

Carcinogenicity - Category 1A

Specific Target Organ Toxicity Single Exposure - Category 3

GHS LABEL ELEMENTS Symbol(s)



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS RN	ACGIH TWA (mg/m ³)	OSHA-PEL (mg/m ³)
Pumice	1332-09-8	(R)3 (I)10	(R)5 (T)15
Feldspar	68476-25-5	(R)3 (I)10	(R)5 (T)15
Calcite	1317-65-3	(R)3 (I)10	(R)5 (T)15
Crystalline quartz (respirable)	14808-60-7	0.025 (R)	10%SiO ₂ +2
Diopside	14483-19-3	(R)3 (I)10	(R)5 (T)15

SECTION 4: FIRST-AID MEASURES

Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. DO NOT RUB EYES Continue rinsing for at least 15 minutes. Get immediate medical attention.
Skin Contact:	Rinse skin with water. Wash contaminated clothing before reuse.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention if the person feels unwell.
Ingestion:	Rinse mouth. Get medical attention if the person feels unwell.

SECTION 5: FIRE-FIGHTING MEASURES

Flashpoint & Method:	Non-combustible
General Hazard:	Avoid breathing dust.
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.
Firefighting Equipment:	Charah Solutions Pozzolan poses no fire-related hazard.
Combustion Products:	In excess of 1450°F (~790°C) compounds will break down into their constituent oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General:	Place spilled material into a container. Avoid actions that cause the Charah Solutions Pozzolan to become airborne. Avoid inhalation of Charah Solutions Pozzolan and direct contact with skin. Wear appropriate Personal Protective Equipment (PPE) as described in section 8.
Waste Disposal:	Dispose of Charah Solutions Pozzolan according to Federal, State, Provincial and local regulations.

SECTION 7: HANDLING AND STORAGE

General:	<p>Handle with care and use appropriate control measures. Keep dry until used.</p> <p>Properly ground all pneumatic conveyance systems. The potential exists for static build-up and static discharge when moving cement powders through a plastic, non-conductive, or non-grounded pneumatic conveyance system. The static discharge may result in damage to equipment and injury to workers.</p>
Engulfment hazard:	<p>To prevent burial or suffocation, do not enter a confined space, such as a silo, bin, bulk truck or other storage container or vessel that stores or contains Charah Solutions Pozzolan. Charah Solutions Pozzolan can build up or adhere to the walls of a confined space. The Charah Solutions Pozzolan can suddenly release, collapse, or fall unexpectedly.</p>
Housekeeping:	<p>Avoid actions that cause Charah Solutions Pozzolan to become airborne during clean-up such as dry sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Use PPE described in Section 8.</p>
Storage Temperature:	-32°C – 100°C
Storage Pressure:	Ambient Pressure
Storage Moisture:	Keep dry.
Clothing:	<p>Promptly remove and launder clothing that is dusty or wet with Charah Solutions Pozzolan. Thoroughly wash skin after exposure to Charah Solutions Pozzolan.</p>

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	<p>Use local exhaust and general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.</p>
Personal Protective Equipment (PPE):	
<u>Respiratory Protection:</u>	<p>Under ordinary circumstances no respiratory protection is required. Wear a NIOSH approved respirator that is properly fitted and is in good condition when exposed to dust above exposure limits.</p>
<u>Eye Protection:</u>	<p>Wear ANSI approved glasses or safety goggles when handling dust or wet Charah Solutions Pozzolan to prevent contact with eyes. Wearing contact lenses when using Charah Solutions Pozzolan, under dusty conditions, is not recommended.</p>
<u>Skin protection:</u>	<p>Wear gloves, boot covers and protective clothing impervious to water to prevent skin contact. Do not rely on barrier creams, in place of impervious gloves. Remove clothing and PPE that become saturated with wet Charah Solutions Pozzolan and immediately wash exposed areas.</p>

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid (powder)	Evaporation Rate:	NA
Appearance:	Beige	pH (in water):	5
Odor:	None	Boiling Point:	NA
Vapor Pressure:	NA	Freezing Point:	None, solid
Vapor Density:	NA	Viscosity:	None, solid
Specific Gravity	2.3-2.5	Solubility in water:	insoluble

Stability:	Stable. Keep dry until use. These products may react with water, resulting in a slight release of heat, depending upon the amount of lime (Calcium oxide) present. Avoid contact with incompatible materials.
Incompatibility:	Charah Solutions Pozzolan is incompatible with strong acids, fluorine and strong oxidizing agents.
Hazardous Polymerization:	None.
Hazardous Decompositions:	Will not spontaneously occur. Avoid exposure to acids. Product exposed directly to acids may release hydrogen sulfide. Hydrogen sulfide is a hazardous, toxic and poisonous gas.

SECTION 11 AND 12: TOXICOLOGICAL AND ECOLOGICAL INFORMATION

For questions regarding toxicological and ecological information refer to contact information in Section 1.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of waste and containers in compliance with Federal, State, Provincial and Local regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not Classified as a Hazardous material under US D.O.T or Canadian TDG regulations.

SECTION 15: REGULATORY INFORMATION

OSHA/MSHA Hazard Communication:

This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazard communication program.

CERCLA/Superfund:

This product is not listed as a CERCLA hazardous substance.

EPCRA SARA Title III:

This product is not listed as a EPCRA SARA Title III hazardous substance

EPCRA SARA Section 313:

This product does not contain any of the substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

California Proposition 65:

WARNING: This product contains the following chemical known by the state of California to cause Cancer: Silica, Crystalline (airborne particles of respirable size)

SECTION 16: OTHER INFORMATION

General Abbreviations:

>	Greater than	NIOSH	National Institute for Occupational Safety and Health
<	Lesser than	NTP	National Toxicology Program
ACGIH	American Conference of Governmental Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS RN	Chemical Abstracts Reference Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response, Compensations and Liability Act	pH	Negative log of hydrogen ion
CFR	Code of Federal Regulations	PPE	Personal Protective Equipment
CL	Ceiling Limit	R	Respirable Particulate
DOT	Department of Transportation	RCRA	Resource Conservation and Reauthorization Act
g/cm ³	Grams per cubic centimeter	SARA	Superfund Amendments and Reauthorization Act
HEPA	High-Efficiency Particulate Air	SDS	Safety Data Sheet
HMIS	Hazardous Materials Identification Systems	T	Total Particulate
IARC	International Agency for Research on Cancer	TDG	Transportation of Dangerous Goods
mg/m ³	Milligrams per cubic meter	TLV	Threshold Limit Value
MSHA	Mine Safety and Health Administration	TWA	Time Weighted Average (8 hour)
NA	Not Applicable	WHMIS	Workplace Hazardous Materials Information System
NFPA	National Fire Protection Association	---	-----

This SDS (Section 1-16) was revised on May 29, 2019.

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