

SAFETY DATA SHEET

Section 1: Identification

Product Name: Belter Yield EPD

Company: Belter Tech

Address: 3020 Commerce Way, Suite D, Atlanta, GA 30354

In an emergency call 911.

For information about this SDS, use this department contact phone#: (844) 914-1200

Section 2: Hazard(s) Identification

Hazard Classification:

Acute toxicity 4 (oral)

Skin irritation 2

Serious Eye Damage 1

Skin sensitization 1 C

Carcinogenicity 1A

Specific target organ toxicity – Single exposure 3

Specific target organ toxicity – Repeated exposure 1

Signal Word(s): Danger

Hazard Statements: Pictograms:



Precautionary Statements: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. 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. Use only outdoors or in a well-ventilated area. Do not breathe dust.

Description of other hazards: Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure

Response:

If Swallowed: Immediately call a poison center/doctor. Rinse mouth.

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

If on Skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs, get medical advice/attention. If exposed or concerned get medical advice/attention.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage: Store locked up. Store in a well-ventilated place. Keep the container tightly closed.

Disposal: Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Additional Information: Hazards not otherwise classified: N/A 42.3% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: Composition/ Information on Ingredients

Mixtures

Chemical Name	CAS#	Wt.%	GHS-US Classification
Silica, Crystalline Quartz	14808-60-7	30-60	Acute Tpx. 4 (Oral) H302 Carc. 1A H350 STOT RE 1 H372
Portland Cement	65997-15-1	15-40	Skin Irrit. 2 H315, Eye Dam. 1 H318 Skin Sens. 1 H317, STOT SE H335
Ferric Oxide	1309-37-1	1-7	Not Classified
Ashes (Residues)	68131-74-8	1-5	Not Classified
Gypsum	13397-24-5	1-5	Not Classified
Trade Secret	1317-65-3	1-5	Not Classified
Trade Secret	1309-48-4	1-5	Not Classified
Trade Secret	1305-78-8	1-5	Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335

The exact percentage (concentration) or chemicals has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Section 4: First-Aid Measures

After skin contact: Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

After eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

After inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

After swallowing: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed:

Eye: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow products to harden around anybody part of allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Inhalation: May cause respiratory tract irritation.

Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Indication of Any Immediate Medical Attention and Special Treatments Needed:

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Treat for surrounding material

Special Hazards Arising from the Chemical:

Products of Combustion: May include, and are not limited to: oxides of carbon

Special protective equipment for firefighters: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: Accidental Release Measures

Personal precautions:

Protective Equipment & Emergency Procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and Materials for Containment/Cleanup:

Methods for Containment: Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleanup: Vacuum or sweep material and place it in a disposal container.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. The use of compressed air for cleaning clothing, equipment, etc. is not recommended. Handle and open container with care. When using it do not eat or drink. Wash hands before eating, drinking, or smoking. (See section 8).

Storage: Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. (See section 10).

Section 8: Exposure Controls/Personal Protection

Chemical Name	OSHA PEL	ACGIH-TLV
Portland Cement	15mg/m3 (total); 5mg/m3(resp)	1mg/m3 (no asbestos & <1% crystalline silica, respirable fraction)
Ferric Oxide	10mg/m3	5mg/m3 (iron oxide fume, dust as Fe)
Silica, Crystalline, Quartz	((10mg/m3)/(%SiO2+2) TWA (resp)) ((30mg/m3)/(%SiO2+2) TWA (total)) ((250)/(%SiO2+5) mppcf TWA (resp))	.25mg/m3
Trade Secret	5mg/m3	2mg/m3
Gypsum	15mg/m3 TWA (total dust) 5mg/m3 TWA (respirable fraction)	10mg/m3

Trade Secret	15mg/m3 (total); 5mg/m3 (resp)	10mg/m3
Trade Secret	15mg/m3	10mg/m3
Ashes (residues)	N/A	N/A

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, ect.) below recommended exposure limits.

General protective and hygienic measures: Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Breathing equipment: A NIOSH approved dusk mask or filtering face-piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction 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 (Z88.2).

Protection of hands & body: Wear suitable waterproof gloves. Wear suitable waterproof protective clothing.

Eye protection: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

Section 9: Physical and Chemical Properties

Form: Powder

Color: Grey

Odor: No distinct odor

Odor threshold: N/A

pH: 12-13

Melting point/melting range: N/A

Boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Auto ignition temperature: N/A

Relative density: 2.6 to 3.5

Vapor pressure: N/A

Vapor density: N/A

Solubility in/Miscibility with water: Slight (0.01 to 1%)

Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal conditions. Keep in dry storage.

Conditions to avoid: Incompatible materials. Moisture.

Incompatible materials: None known.

Hazardous decomposition products: May include and are not limited to; oxides of carbo.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: Toxicological Information

Acute toxicity:

Ingredient	LC50	LD50
Silica, Crystalline, Quartz	N/A	Oral 500 mg/kg, rat
Portland Cement	N/A	N/A
Ferric Oxide	N/A	Oral > 10,000 mg/kg, rat
Ashes (residues)	N/A	Oral > 2000 mg/kg, rat
Gypsum	N/A	N/A
Trade Secret	N/A	Oral 6450 mg/kg, rat
Trade Secret	N/A	Oral > 5000 mg/kg, rat
Trade Secret	N/A	Oral 500 mg/kg, rat

Potential routes of exposure/potential health effects

Skin: May cause skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow products to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Eye: Irritating to eyes. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Calculated Overall Chemical Acute Toxicity Values:

LC50 (inhalation): -13.9 mg/L 4 h, rat

LD50 (oral): - 601.6 mg/kg, rat

LD50 (dermal): - N/A

Chemical Listed as Carcinogen or Potential Carcinogen

Ingredients	(NTP, IARC, OSHA, ACGIH, CP65)*
Silica, Crystalline, Quartz	G-A2, I-1, N-1, O, CP65
Portland Cement	G-A4 Ferric Oxide G-A4, I-3
Ashes (residue)	Not listed
Gypsum	Not listed
Trade secret	Not listed
Trade Secret	G-A4
Trade Secret	Not listed

Delayed, Immediate and Chronic Effects of Short- and Long- Term Exposure:

Skin Corrosion/Irritation: Causes skin irritation. May cause burns in the presence of moisture.
Serious Eye Damage/Irritation: Causes serious eye damage. May cause burns in the presence of moisture.
Respiratory Sensitization: Based on available data, the classification criteria are not met.
Skin Sensitization: May cause an allergic skin reaction.
STOT-Single Exposure: May cause respiratory irritation.
Chronic Health Effects: Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.
Carcinogenicity: May cause cancer.
Germ Cell Mutagenicity: This product is not classified as a mutagen.
Reproductive Toxicity:
Developmental: Based on available data, the classification criteria are not met.
Fertility: Based on available data, the classification criteria are not met.
STOT-Repeated Exposure: Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard: Based on available data, the classification criteria are not met.
Toxicologically Synergistic Materials: N/A
Other Information: N/A

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems, and treatment plants is not considered environmentally harmful.
Mobility: N/A
Biodegradation: N/A
Bioaccumulation: N/A

Section 13: Disposal Considerations (non-mandatory)

Waste Treatment Methods:

Disposal Method: This material must be disposed of in accordance with local, state, provincial, and federal regulations.
Other disposal recommendations: N/A

Section 14: Transport Information (non-mandatory)

DOT regulations:

- **Hazard class:** N/A
- **Land transport ADR/RID (cross-border):** N/A
- **Maritime transport IMDG:** N/A

Air transport ICAO-TI and IATA-DGR: N/A

Special Precautions for User: Do not handle until all safety precautions have been read and understood.

Section 15: Regulatory Information (non-mandatory)

Safety, Health and Environmental Regulations/Legislations Specific for the Chemical: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SARA Title III Section 302, 304, Cercla, 313: N/A

STATE REGULATIONS:

California Prop. 65: This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories:

<u>Ingredient</u>	<u>USA / TSCA</u>
Portland Cement	YES
Ferric Oxide	YES
Silica, Crystalline, Quartz	YES
Ashes (Residue)	YES
Trade Secret	YES
Gypsum	NO
Trade Secret	YES
Trade Secret	YES

NFPA- National Fire Protection Association:

Health: 3

Fire: 1

Reactivity: 0

US Federal Regulations

SARA Section 355 (extremely hazardous substances): N/A

SARA Section 313 (specific toxic chemical listings): N/A

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): N/A

TSCA (Toxic Substances Control Act): N/A

Section 16: Other Information

SDS date of preparation/update:

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