

Concrete Masonry Products

1. Identification

Product name:

Concrete Block and Retaining Wall Block

Other means of identification/Synonyms/Common Names:

Concrete Masonry Units (CMU)

Recommended use:

Masonry building material.

Recommended restrictions:

None Known

Manufacturer/Contact info:

Jones & Sons, Inc.
1262 S State Road 57
Washington, IN 47501

General Phone Number:

812-254-4731

Emergency Phone Number:

812-254-4731

Website:

www.jonesandsons.com

2. Hazard(s) Identification

Physical hazards:

Not Classified

Health hazards:

Skin Irritation 2; Eye Irritation 2A; Skin Sensitization 1; Carcinogenicity 1A



Signal word:

Warning

Hazard statement: Concrete products as shipped do not present an inhalation, ingestion or contact hazard. However, operations such as sawing and grinding may result in the following effects:

Contains Crystalline Silica

Eye: May cause irritation by abrasion with dust or chips.

Skin: Concrete dust or chips may cause allergic reactions in hypersensitive individuals; May cause cuts and skin abrasions.

Inhalation: Dust may cause irritation in nasal and respiratory passages.

Ingestion: No known acute effects.

Precautionary statement:

Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required. Wear protective gloves, protective clothing, eye protection, and face protection.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.

Response

- If exposed or concerned get medical advice/attention.

Disposal

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

3. Composition/information on ingredients					
Common Name	Chemical Name	CAS#	% Weight	Exposure Limits	
Silica / Quartz Flint Sand	Silicon Dioxide			OSHA PEL mg/m ³	ACGIH TLV mg/m ³
Crystalline Free Silica		Various	50 – 85	15	10
Other Limits Recommended: National Institute for Occupational Safety and Health (NIOSH). Recommended standard maximum permissible concentration = 0.05 mg/M ³ (respirable free silica) as determined by a full-shift sample up to 10-hour work week. See NIOSH Criteria for a Recommended Standard Occupational Exposure to Crystalline Silica.					

4. First-aid measures
Inhalation: Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or if breathing is difficult.
Eyes: Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from eye(s). Contact a physician if irritation persists or later develops.
Skin: Wash affected areas thoroughly with mild soap and fresh water. Contact a physician if irritation persists.
Ingestion: Dust: rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
Most important symptoms/effects, acute and delayed: Dust may irritate the eyes, skin, and respiratory tract. Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis. Symptoms of silicosis may include (but are not limited to) shortness of breath, difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume; right heart enlargement and/or failure.
Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures
Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media: None known.
Specific hazards arising from the chemical: Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS).
Special protective equipment and precautions for firefighters: Use protective equipment appropriate for surrounding materials.
Fire-fighting equipment/instructions: No unusual fire or explosion hazards noted. Not a combustible dust.
Specific methods: The presence of this material in a fire does not hinder the use of any standard extinguishing medium. Use extinguishing medium for surrounding fire.

6. Accidental release measures
Concrete masonry products as shipped do not pose a human or environmental hazard that requires special clean-up measures.

7. Handling and storage
Provide adequate ventilation to maintain exposures below the OSHA PEL and ACGIH TLV for quartz and other substances.

Conditions for safe storage, including any incompatibilities:
Do not store near food, beverages, or smoking materials.

8. Exposure controls/personal protection

Respiratory Protection: For airborne concentration exceeding the OSHA PEL or ACGIH TLV use a NIOSH and/or MSHA approved respirator.

Eye and Face: Face shields should be used when sawing concrete masonry products.

Skin: Use gloves and or protective clothing if abrasions or allergic reactions are experienced.

Other: Use of steel toe shoes is recommended when handling concrete masonry products.

Other Controls: Use of wet sawing methods is recommended anytime that concrete masonry products must be cut.

9. Physical and chemical properties

Appearance:

Granular solid, mostly odorless, usually gray but can be produced in a variety of colors.

Odor: No odor.	PH: Not applicable	Decomposition temperature: Not applicable
Melting point/freezing point: Not applicable	Initial boiling point and boiling range: Not applicable	Flash point: Non-combustible
Evaporation rate: Not applicable	Flammability: Not applicable	Upper/lower flammability or explosive limits: Not applicable
Vapor pressure: Not applicable	Relative density: Not applicable	Solubility: 0
Partition coefficient: n-octanol/water. Not applicable	Autoignition temperature: Not applicable	Specific Gravity (H2O = 1): 2.6

10. Stability and reactivity

Reactivity:

Not reactive under normal use.

Chemical stability:

Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

None under normal use.

11. Toxicological information

CARCINOGENICITY: The following carcinogenicity classifications for crystalline silica have been established by the following agencies:

OSHA: Not regulated as a carcinogen

IARC: Group 1 carcinogenic in humans

NIOSH: Carcinogen, with no further categorization

NTP: Known carcinogen

WARNING: Concrete dust may contain crystalline silica, a chemical that has been determined by the agencies listed above to cause cancer.

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):

Not determined

Persistence and degradability:

Not determined

Bioaccumulative potential.

Not determined

Mobility in soil. Not determined
Other adverse effects. Not determined

13. Disposal considerations
Concrete masonry products in their solid form is typically considered a non-hazardous waste for disposal, but local regulation may vary, therefore all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations. Water containing concrete solids, such as from wet sawing operations, should also be disposed of in accordance with federal, state and local environmental regulation.

14. Transport information
UN Number: Not regulated.
UN Proper shipping name: Not regulated.
Transport Hazard class: Not applicable.
Packing group, if applicable: Not applicable.
Marine pollutant (Yes/No): Not applicable.

15. Regulatory information
RCRA: Concrete masonry products as shipped are not hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).
SARA/EPCRA: Concrete masonry products as shipped are not hazardous substances subject to the federal Emergency Planning and Community Right to know Act (EPCRA) for inventory reporting (SARA 311/312), nor Toxic Release Inventory (SARA 313).
DOT: Concrete masonry products as shipped are not hazardous materials per Department of Transportation (DOT) regulations.

16. Other information
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