

# Safety Data Sheet

## SECTION 1. IDENTIFICATION

Product Name: Concrete Masonry Unit (Block, Brick, Lintels, Pavers)  
 Recommended Use: Masonry Wall Construction; Masonry Veneers  
 Restriction on Use: Use in accordance with ASTM standards  
 Manufacturer's Name: Tidewater Block  
 Address: P.O. Box 1546 Suffolk VA 23434 USA  
 Telephone: (757) 539-1576  
 Date SDS Prepared: 02/17/2014

## SECTION 2: HAZARDS IDENTIFICATIONS

Classification of the Substance or Mixture

Classification (GHS-US)

Eye Dam. 1 H318

Skin Sens. 1 H317

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US):



GHS05

GHS07

Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H317 – May cause an allergic skin reaction.  
 H318 – Caution serious eye damage.

Precautionary Statements (GHS-US)

: P261 – Avoid breathing dust.  
 P280 – Wear protective gloves, protective clothing, eye protection.  
 P302+P352 – IF ON SKIN: Wash with plenty of water  
 P305+P351+P338 - IF IN EYES: Rinse Cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 – Specific treatment (see section 4)  
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 – Take off contaminated clothing and wash it before reuse.  
 P501 – Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations

## Other Hazards

Exposure may aggravate those with pre existing skin, eye, or respiratory conditions. Repeated and /or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss.

Unknown Acute Toxicity (GHS-US) – No

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## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

This product covers various concrete block products. Individual composition of hazardous constituents will vary between types of concrete block products.

<u>Name</u>	<u>CAS#</u>	<u>Proportion</u>
Portland Cement*	65997-15-1	1 – 80%
Sand	14808-60-7	20-85%
Stone		20-85%
Granite		20-85%
Water	7732-18-5	1-20%

Other ingredients may be added

Flyash		0-20%
Pigment (color dye)	1332-37-2	0-10%

\*- Cement is made from materials mined from the earth and is processed using energy provided by fuels. Trace amounts of chemicals may be detected during chemical analysis.

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## **SECTION 4: FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of clean water for at least 15 minutes, while holding the eye lids open. Beyond flushing, do not attempt to remove material from the eyes. Contact a physician if irritation persists or later develops.

**SKIN:** Wash with soap and water. Contact a physician if irritation, rash, burns, and dermatitis persists or later develops.

**INHALATION:** Remove to fresh air. Contact a physician if irritation persists or later develops.

**INGESTION:** If person is conscious, give large quantity of water and induce vomiting; however, never attempt to make an unconscious person drink or vomit. Get immediate medical attention.

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## **SECTION 5 – FIRE-FIGHTING MEASURES**

Flashpoint - N/A      Flammable limits – N/A      LEL- N/A      UEL – N/A

Extinguishing Media - Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedure - Concrete products do not pose a fire-related hazard. A SCBA is recommended to limit exposures to combustion products when fighting any fire.

Unusual fire and explosion Hazards - None

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Use adequate ventilation, dustless vacuum or cleanup system for handling, storage, and clean-up to limit dust generation. Practice good housekeeping. Wash or vacuum clothes which become dusty.

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## SECTION 7–HANDLING AND STORAGE

Store concrete products in a secure manner to prevent falling. Ensure adequate load-bearing capacity of ground, floor, or platforms when placing or storing concrete products. Concrete products are heavy and pose risks such as sprains and strains to the back, arms, shoulders, and legs during lifting. Handle with care and use appropriate control measures. Use appropriately rated equipment (such as cranes) and rigging when moving and placing concrete products. Handle in accordance with good industrial hygiene and safety practices. Wash hands and other exposed body parts areas with soap and water before eating, drinking or smoking and when leaving work.

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## SECTION 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

Exposure Controls: When cutting, grinding, crushing, or drilling use local exhaust or general dilution ventilation or water suppression or other suppression methods to maintain dust levels below exposure limits.

OSHA PEL 15mg/m<sup>3</sup> (total dust) - 5mg/m<sup>3</sup> (Respirable fraction)

NIOSH REL 10mg/m<sup>3</sup> (total dust) - 5mg/m<sup>3</sup> (Respirable fraction)



**Respiratory Protection:** Wear NIOSH approved respirator that is properly fitted and is in good condition when exposed to dust above exposure limits.

**Eye Protection:** Wear ANSI approved glasses and safety goggles when handling concrete products and when involved with activities that generate dust, to prevent contact with eyes

**Skin Protection:** Wear gloves when handling concrete products. Remove clothing and protective equipment that becomes dusty and launder before reuse.

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## SECTION 9 – PHYSICAL / CHEMICAL CHARACTERISTICS

<b>Appearance</b>	Solid	<b>Melting Point</b>	N/A
<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	2.6
<b>Odor</b>	None	<b>Evaporation Rate</b>	N/A
<b>Freezing Point</b>	N/A	<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A	<b>Flammability</b>	N/A
<b>Viscosity</b>	N/A	<b>Solubility in Water</b>	Not Soluble
<b>pH (in water)</b>	7		

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## SECTION 10 – STABILITY & REACTIVITY

Stability:	Stable.
Conditions to Avoid:	None.
Incompatibility (Material to Avoid):	None known.
Hazardous Decomposition or Byproducts:	None known.
Hazardous Polymerization:	Will not occur

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## SECTION 11 – STABILITY & REACTIVITY

**Warning:** Dry sawing or grinding of concrete masonry products may result in the release of dust particles (respirable crystalline quartz) which could cause minor eye or nose irritation if proper protective equipment is not in place. Minimum respiratory and eye protection is required as specified in the Safety Data Sheet for concrete masonry products, Section 8 control measures, provided by this company. Failure to use appropriate respiratory protection when exposed to airborne respirable crystalline quartz for prolonged periods of time may cause delayed (chronic) lung injury (silicosis). Limited evidence is also available which suggests that respirable crystalline quartz may pose a carcinogenic threat to humans.

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## **SECTION 12 – ECOLOGICAL INFORMATION**

N/A

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## **SECTION 13 – DISPOSAL INFORMATION**

Dispose of waste in compliance with applicable Federal, State, and Local regulation.  
Crush and recycle

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## **SECTION 14 – TRANSPORT INFORMATION**

N/A

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## **SECTION 15 – REGULATORY INFORMATION**

**OSHA Hazard Communication** - This product is considered a regulated product and should be included in the employer's hazardous communication program.

**CERCLA/SUPERFUND** - This product is not a CERCLA hazardous substance.

**EPCRA SARA Title III** – This product is a regulated product in accordance with OSHA HCS and is therefore regulated under 311 and 312.

**EPCRA SARA Section 313** – This product contains none of the substances 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.

**RCRA** – if discarding in its purchased form, this product would not be a hazardous waste by listing or characteristic. However under RCRA, it is the responsibility of the user to determine if the material should be classified as a hazardous waste at the time of its disposal.

**TSCA** – Concrete block and silica are exempt from reporting under the inventory update rule.

**California Proposition 65** – Crystalline silica (airborne particulates of respirable size) is a substance known by the State of California to cause cancer.

**WHMIS/DSL** – Products containing crystalline silica and Calcium carbonate are classified as D2A, E are are subject to WHMIS requirements.

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## **SECTION 16 – OTHER INFORMATION**

Revision Date 11-6-2015

This document has been prepared in accordance with the SDS requirements of the OSHA Hazardous Communication Standard 29 CFR 1910.1200. The information and recommendations contained herein are based upon data believed to be correct at the time of preparation. Customers/users of concrete block products must comply with all applicable health and safety laws, regulations and orders. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful health effects which may be caused by exposure to airborne dust particles created by sawing crushing or grinding of our products.