



# SAFETY DATA SHEET

Issuing Date 30 May 2015

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Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Bagged Sand/Gravel Products

### **Other means of identification**

**Synonyms:** Vita-Crete Mortar Sand, Vita-Crete Fine Sand, Vita-Crete Medium Sand, Vita-Crete All Purpose Sand, Vita-Crete Play Sand, Vita-Crete Storm Sand, Vita-Crete Pea Gravel, Vita-Crete Crushed Stone, Vita-Crete Stone Dust, Vita-Crete Crusher Run Dense Base, Vita-Crete Permeable Chip Stone.

### Recommended use of the chemical and restrictions on use

**Recommended Use :** Building applications

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

Concrete & Mortar Packaging, LLC  
dba Vita-Crete  
12 South Free Street  
Bldg. 4  
Milford, MA 01757  
Telephone: 1-508-473-1799

### Emergency telephone number

**Emergency Telephone Number** 1-508-473-1799

## 2. HAZARDS IDENTIFICATION

### Classification

Serious Eye Damage/Eye Irritation	Category 2B
Carcinogenicity	Category 1A
Specific Target Organ Toxicity (Repeated Exposure)	Category 1

### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	
<ul style="list-style-type: none"><li>• Harmful if swallowed</li><li>• May cause cancer</li><li>• May cause damage to organs through prolonged or repeated exposure</li></ul>	



**Appearance:** Beige or Gray

**Physical State:** Granular Solid

**Odor:** No information available

**Precautionary Statements**

**Prevention**

- Do not eat, drink or smoke when using this product.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Wear eye/face protection.
- Do not breathe dust

**General Advice**

- Immediately call a POISON CENTER or doctor/physician.
- Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. (remove contact lenses, if present). Continue rinsing.
- If irritation persists, contact a doctor/physician.

**Skin**

- IF ON SKIN (or hair): Take off all contaminated clothing. Rinse skin with soap and water/shower.
- Wash contaminated clothing before reuse.

**Inhalation**

- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.
- Do NOT induce vomiting.

**Storage**

- Store out of reach of children/pets.

**Disposal**

- Dispose of contents/container to an approved waste disposal system.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade secret
Sand/Gravel,Silica,Quartz	14808-60-7	60-100	*

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention may be required.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Immediate medical attention may be required.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact eyes.

### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** Serious eye irritation or damage.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** No information available.

### Specific Hazards Arising from the Chemical

Avoid dust formation.

#### Explosion Data

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment. Avoid dust formation. Avoid inhalation of dust. Ensure adequate ventilation.

### Environmental Precautions

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Avoid dust formation. Clean up promptly by scoop or vacuum. Dispose of promptly. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Do not breathe dust. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Do not eat, drink or smoke during use of this product. Do not take internally. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Products** Not applicable

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	30/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, Total Dust; 250/(%SiO <sub>2</sub> +5) mppcf TWA, respirable fraction; 10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, respirable TWA: 0.1 mg/m <sup>3</sup> (vacated)	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Silica 7631-86-9		(vacated) TWA: 6mg/m <sup>3</sup> <1% Crystalline silica TWA: 20mppcf (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA	IDLH: 3000 mg/m <sup>3</sup> TWA: 6mg/m <sup>3</sup>

**Appropriate engineering controls**

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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#### **Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
<b>Skin and Body Protection</b>	Lightweight protective clothing. Protective gloves.
<b>Respiratory Protection</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

<b>Hygiene Measures</b>	Provide regular cleaning of equipment, work area and clothing. Remove contaminated clothing and protective equipment before entering eating or smoking areas.
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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

<b>Physical State</b>	Granular Solid	<b>Appearance</b>	Beige or Gray
<b>Odor</b>	No information available	<b>Odor Threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ - Method</u></b>
<b>pH</b>	13	None known
<b>Melting Point/Range</b>	>1482.2 °C / >2700 °F	None known
<b>Boiling Point/Boiling Range</b>	> 1482.2 °C / >2700 °F	None known
<b>Flash Point Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available No data available	None known None known
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>	No data available	
<b>lower flammability limit</b>	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Specific Gravity</b>	2.6 - 3.15	None known
<b>Water Solubility</b>	Slightly soluble	None known
<b>Solubility in other solvents</b>	0 g/l.	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known

<b>Flammable Properties</b>	Not flammable
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

### **Other information**

<b>VOC Content (%)</b>	No data available
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## **10. STABILITY AND REACTIVITY**

### **Reactivity**

No data available.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Dust formation. Incompatible products.

**Incompatible materials**

Not applicable

**Hazardous decomposition products**

Not applicable

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Eye Contact</b>	Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. Dust contact with the eyes can lead to mechanical irritation.
<b>Skin Contact</b>	Dusts may cause mechanical irritation.
<b>Ingestion</b>	Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X
Silica		Group 3		

**ACGIH: (American Conference of Governmental Industrial Hygienists)**  
A2 - Suspected Human Carcinogen

**IARC: (International Agency for Research on Cancer)**  
Group 1 - Carcinogenic to Humans  
Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**NTP: (National Toxicity Program)**  
Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**  
X - Present

**Reproductive Toxicity** No information available.

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<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Chronic Toxicity</b>	Inhalation overexposure to free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease. Inhalation exposure to respirable levels of crystalline silica may cause respiratory impairment and lung damage.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity - Product****Acute Toxicity**

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 607 mg/kg; Acute toxicity estimate

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability** Not readily biodegradable

**Bioaccumulation** Not expected to bio-accumulate

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not applicable

**15. REGULATORY INFORMATION****International Inventories****Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Quartz	14808-60-7	Carcinogen

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection X

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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**