



Concrete Veneer Brick (white and gray)

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : Concrete Veneer Brick (white and gray)

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Building material used for structural support

1.3. Supplier

Bilco Brick
2116 N Lancaster-Hutchins Road
Lancaster, TX 75134

1.4. Emergency telephone number

Emergency number : 972-227-3380

SECTION 2: Hazard(s) identification

This product is considered an article under 29 CFR 1910.1200 during use and handling as a manufactured item. Users of the product may be exposed to dust during cutting or shaping that contains hazardous substances. This SDS contains health hazard information related to dust generation during construction.

2.1. Classification of the substance or mixture

GHS US classification

Skin Irrit. 2	H315
Eye Irrit. 2B	H320
Carc. 1A	H350
STOT RE 1	H372

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H315 - Causes skin irritation
H320 - Causes eye irritation
H350 - May cause cancer
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) :

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face 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.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.

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P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Quartz	CAS-No.: 14808-60-7	14 – 88
Manufactured Sand	CAS-No.: 12001-27-3	14 – 56
Cement, portland, chemicals	CAS-No.: 65997-15-1	12 – 27
Silica, amorphous	CAS-No.: 7631-86-9	18
Iron oxide (Fe ₂ O ₃)	CAS-No.: 1309-37-1	≤ 1

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If symptoms occur, move the person to fresh air and ventilate suspected area. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
First-aid measures after skin contact	: Injuries to skin due to abrasion, laceration, or crushing should be treated by flushing with clean water, followed by first aid (application of disinfectant and bandage). If the injury is more extensive or irritation and pain persists, seek medical attention. After Ingestion: Rinse mouth. Do NOT induce vomiting. Get medical advice and attention if you feel unwell.
First-aid measures after eye contact	: If injury is due to a projectile, seek immediate medical attention. If the person's symptom is eye irritation due to dust exposure, careful flushing with clean water should continue for at least 15 minutes. If contact lenses are present, they should be removed after flushing. Flushing should continue until irritation subsides.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Get medical advice and attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: The immediate acute response to dust inhalation is respiratory system irritation. Upon repeated high levels of dust exposure, crystalline silica content of the dust may cause delayed or chronic respiratory illnesses, including silicosis and cancer.
Symptoms/effects after skin contact	: Other than abrasion and irritation, skin contact does not cause delayed or chronic symptoms.
Symptoms/effects after eye contact	: Exposures of the eyes to particles and dust may result in irritation, pain, redness, and blurred vision, which is usually temporary.

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Symptoms/effects after ingestion : None under normal use.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : Not combustible. Bricks as shipped do not pose a fire hazard.
Explosion hazard : None known.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel.

6.1.2. For emergency responders

Equip clean-up crew with proper personal protective equipment (PPE). Ventilate area. Avoid creating or spreading dust

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid. Avoid actions that cause dust to become airborne. Avoid inhalation of dust. Wear appropriate protective equipment as described in Section 8. Do not wash product down sewage and drainage systems or into bodies of water (e.g., streams).
Methods for cleaning up : Dispose of waste material safely and in accordance with all local, regional, national, provincial, territorial, and international solid waste regulations.

6.4. Reference to other sections

See Section 8.2. Exposure Controls and Personal Protection. For disposal information, refer to Section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and again when leaving work. Do not eat, drink, or smoke when handling this product.

Cutting, crushing, or grinding crystalline silica-bearing materials will release respirable crystalline silica. Use all appropriate measures of dust control or suppression and Personal Protective Equipment (PPE) described in Section 8. Avoid dust production that exceeds Permissible Exposure Limits.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No special storage conditions required.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Cement, portland, chemicals (65997-15-1)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	1 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)
ACGIH chemical category	Not Classifiable as a Human Carcinogen

USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
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USA - IDLH - Occupational Exposure Limits

IDLH	5000 mg/m ³
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
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Quartz (14808-60-7)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
ACGIH chemical category	Suspected Human Carcinogen

USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	50 µg/m ³
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USA - IDLH - Occupational Exposure Limits

IDLH	50 mg/m ³ (respirable dust)
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	0.05 mg/m ³ (respirable dust)
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Silica, amorphous (7631-86-9)

USA - IDLH - Occupational Exposure Limits

IDLH	3000 mg/m ³
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	6 mg/m ³
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Iron oxide (Fe₂O₃) (1309-37-1)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	5 mg/m ³ (respirable particulate matter)
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ACGIH chemical category	Not Classifiable as a Human Carcinogen
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USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	10 mg/m ³ (fume) 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
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USA - IDLH - Occupational Exposure Limits

IDLH	2500 mg/m ³ (dust and fume)
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	5 mg/m ³ (dust and fume)
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8.2. Appropriate engineering controls

Appropriate engineering controls : Power equipment should be equipped with wet dust suppression or dust collection devices if cutting/grinding/chipping product. Emergency eyewash equipment should be available in the immediate vicinity of any potential exposure. Use local exhaust or general dilution ventilation, or other suppression methods to maintain dust levels below exposure limits.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves as appropriate to prevent abrasion and hand injuries.

Eye protection:

Approved safety glasses, goggles, and/or face-shield.

Skin and body protection:

Appropriate work clothing and footwear should be worn. Wear suitable protective clothing.

Respiratory protection:

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Various
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers to protect product quality/appearance.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Silica, amorphous (7631-86-9)

LD50 oral rat	7900 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

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Silica, amorphous (7631-86-9)

LC50 Inhalation - Rat	> 2.2 mg/l (Exposure time: 1 h)
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Iron oxide (Fe₂O₃) (1309-37-1)

LD50 oral rat	> 10000 mg/kg
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Skin corrosion/irritation	: Causes skin irritation.
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Serious eye damage/irritation	: Causes eye irritation.
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Respiratory or skin sensitization	: Not classified
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Germ cell mutagenicity	: Not classified
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Carcinogenicity	: May cause cancer.
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Quartz (14808-60-7)

IARC group	1 - Carcinogenic to humans
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National Toxicology Program (NTP) Status	Known Human Carcinogens
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In OSHA Hazard Communication Carcinogen list	Yes
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Silica, amorphous (7631-86-9)

IARC group	3 - Not classifiable
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Iron oxide (Fe₂O₃) (1309-37-1)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
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STOT-single exposure	: Not classified
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STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure. Inhalation of dust on a prolonged or repeated basis may result in chronic lung disease or silicosis and may also result in lung cancer.
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Quartz (14808-60-7)

STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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Aspiration hazard	: Not classified
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SECTION 12: Ecological information

12.1. Toxicity

Silica, amorphous (7631-86-9)

LC50 - Fish [1]	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
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EC50 - Crustacea [1]	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
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EC50 72h - Algae [1]	440 mg/l (Species: Pseudokirchneriella subcapitata)
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12.2. Persistence and degradability

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Persistence and degradability	Rapidly degradable
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Cement, portland, chemicals (65997-15-1)

Persistence and degradability	Rapidly degradable
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Manufactured Sand (12001-27-3)

Persistence and degradability	Rapidly degradable
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Quartz (14808-60-7)

Persistence and degradability	Rapidly degradable
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Silica, amorphous (7631-86-9)

Persistence and degradability	Rapidly degradable
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Iron oxide (Fe₂O₃) (1309-37-1)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

Silica, amorphous (7631-86-9)

BCF - Fish [1]	(no bioaccumulation expected)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

UN-No. (DOT)	: Not applicable
UN-No. (TDG)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

TDG

Transport hazard class(es) (TDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

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IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

Not applicable

TDG

Not applicable

IMDG

Not applicable

IATA

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Cement, portland, chemicals	65997-15-1	Present	Active	
Manufactured Sand	12001-27-3	Not present	-	
Quartz	14808-60-7	Present	Active	
Silica, amorphous	7631-86-9	Present	Active	
Iron oxide (Fe ₂ O ₃)	1309-37-1	Present	Active	

15.2. US State regulations

Component	State or local regulations
Cement, portland, chemicals(65997-15-1)	U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Quartz(14808-60-7)	U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

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Component	State or local regulations
Silica, amorphous(7631-86-9)	U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Iron oxide (Fe ₂ O ₃)(1309-37-1)	U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.