

## SAFETY DATA SHEET

Revision Date 6/30/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifiers**

Product name : Natural Sand and Stone  
 Synonyms : Aggregate, Manufactured Sand, Crushed Stone, Gravel

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Sand and stone aggregate is commonly used in the manufacture of brick, mortar, concrete, pavers and other construction materials.

**Details of the supplier of the safety data sheet**

Company : USC Technologies 331 N Main St  
 Eules, Texas 76039  
 USA  
 Telephone : +1 817-835-4105

**Emergency telephone number**

Emergency Phone # : (800) 424-9300


### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin corrosion/irritation (Category 2), H315  
 Serious eye damage/irritation (Category 2B), H320  
 Carcinogenicity (respiratory) (Category 1A), H350  
 Specific target organ toxicity, repeated exposure (Lungs) (Category 2) H373

#### 2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	<b>Warning</b>
Hazard statement(s)	
H315	Causes skin irritation
H320	Causes eye irritation
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure
Precautionary statement(s)	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust
P280	Wash thoroughly after handling
P281	Use personal protective equipment as requires
P305 + P351 + P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.
P308 + P313	If exposed or concerned, get medical advice/ attention.
P332 + P313	If skin irritation occurs, get medical advice/attention.

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Natural sand and stone Quartz (crystalline silica)	None 14808-60-7	97 - 99 >1

### 4. FIRST AID MEASURES

#### Description of first aid measures

##### If inhaled

Remove person to fresh air. Contact a physician if irritation persists or later develops.

##### In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing. Contact physician if irritation persists

##### In case of eye contact

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.

##### If swallowed

If person is conscious do not induce vomiting. Give large quantity of water and get medical attention. Never attempt to make an unconscious person drink.

#### 4.1 Most important symptoms and effects, both acute and delayed

Dust may irritate the 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.

#### 4.2 Indication of any immediate medical attention and special treatment needed

Pre-existing medical conditions that may be aggravated by exposure include disorders of the eye, skin, and lungs, including asthma and other breathing disorders). Smoking will impair the ability of the lungs to clear themselves of dust.

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

This product is not flammable. Use extinguishing agents suitable for surrounding materials.

##### Unsuitable extinguishing media

None

#### 5.2 Special hazards arising from the substance or mixture

Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS).

#### 5.3 Advice for firefighters

No unusual fire or other hazards exist.

#### 5.4 Further information

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

#### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin. Wear appropriate protective equipment as described in Section 8.

#### Environmental precautions

None

#### Methods and materials for containment and cleaning up

Avoid dry sweeping which creates dust. Apply water spray and place wet material in appropriate container.

**Reference to other sections**

For disposal see section 13.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Respirable crystalline silica-containing dust may be generated during processing, handling, and storage. Use all appropriate measures of dust control or suppression, and Personal Protective Equipment (PPE) described in Section 8.

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

Avoid dust formation

**Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Component	OSHA/MSHA PEL	ACGIH TLV	NIOSH REL
Respirable Crystalline Silica (quartz) CAS 14808-60-7	TWA: 0.3mg/m <sup>3</sup> Total Dust TWA: 0.1mg/m <sup>3</sup> Respirable	TWA: 0.025 mg/m <sup>3</sup> Respirable	TWA: 0.05 mg.m <sup>3</sup> Respirable

**8.2 Exposure controls**

**Appropriate engineering controls**

Use local exhaust or general dilution ventilation to control exposure within acceptable limits.

**8.3 Personal protective equipment**

**Eye/face protection**

Wear appropriate protective eyeglasses with side shields or goggles.

**Skin protection**

Normal work clothing (long sleeved shirts and long pants) is recommended. After working with product, workers should clean their skin with soap and water.

**Respiratory protection**

Avoid actions that generate dust. Wear NIOSH or MSHA approved particulate filter respirator when ventilation controls are inadequate to maintain applicable exposure levels.

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

a. Appearance	Form: Solid, granular mixture	Color: Various
b. Odor	odorless	
c. pH	Not applicable	
d. Melting/Freezing point	Not applicable	
e. Initial boiling point & range	Not applicable	
f. Flash point	Not applicable	
g. Evaporation rate	Not applicable	
h. Flammability (solid, gas)	Not applicable	
i. Upper/Lower flammability or explosive limits	Not applicable	
k. Vapour pressure	Not applicable	
l. Vapour density	Not applicable	
m. Specific Gravity	Not applicable	



n. Water solubility	Not applicable
o. Auto-ignition temp.	Not applicable
p. Decomposition temp.	Not applicable
q. Explosive properties	Not applicable
r. Oxidizing properties	Not applicable

**Other safety information**

No data available

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**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None

**Conditions to avoid**

None

**Incompatible materials**

None

**Hazardous decomposition products**

None

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**11. TOXICOLOGICAL INFORMATION**

**Component Analysis – LD 50/LC 50 (quartz 14808-60-7)**

Oral LD 50 Rat 500 mg/kg

**Acute toxicity**

Not expected to be acutely toxic

**Skin corrosion/irritation**

Causes irritation through mechanical abrasion

**Serious eye damage/eye irritation**

Causes eye irritation

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

Respirable crystalline silica has been classified by the IARC and NTP as a known human carcinogen, and classified by the ACGIH as a suspected human carcinogen

**Reproductive toxicity**

No data available

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

Dust: Discomfort in the chest, shortness of breath, coughing

**Aspiration hazard**

Not expected to be an aspiration hazard

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**12. ECOLOGICAL INFORMATION**

**Toxicity**

This product is not reported to have any ecotoxicity effects. Dust can cause soiling and damage sensitive vegetation after prolonged exposure. Discharging sand and fines into waters may increase total suspended particulates (TSP) levels that can be harmful to certain aquatic organisms.

**Persistence**

Not applicable



**Bioaccumulative potential**

Not applicable

**Mobility in soil**

Not applicable

**Other adverse effects**

Not applicable

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**13. DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with applicable federal, state, and local regulations. Prevent from entering drainage, sewer systems, and unintended bodies of water. It is the responsibility of the user to determine, at the time of disposal, whether product meets criteria for hazardous waste.

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**14. TRANSPORT INFORMATION**

**DOT (US)**

UN number: Not regulated

Proper shipping name: Not regulated

Packing Group: Not Regulated

Hazard Class: Not regulated

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**15. REGULATORY INFORMATION**

**TSCA Status**

Not listed

**§302 Components**

Not listed

**§304 Components**

Not listed

**§313 Components**

Not listed

**California Prop. 65**

This product contains chemicals known to the State of California to cause cancer.

**State Right To Know Components**

Quartz (14808-60-7) is listed on the following State's Right to Know lists; Massachusetts, Minnesota, New Jersey and Pennsylvania.

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**16. OTHER INFORMATION**

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