



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product from : Substance
Trade name : Silica Sand, All Grades
CAS No. : 14808-60-7
Product group : Commercial product

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation : Sand for specialty applications
Prohibited for use in sandblasting.

1.3. Details of the supplier of the safety data sheet

Carbon Enterprises Inc.
PO Box 787
28205 Scippo Creek Rd
Circleville, OH 43113
800-344-5770

info@ceifiltration.com
ceifiltration.com

1.4. Emergency telephone number

Emergency number 740-420-6472
9:00 AM to 4:30 PM
Monday through Friday

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A H350
STOT SE 3 H335
STOT RE 1 H372

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H335 - May cause respiratory irritation
H350 - May cause cancer (inhalation)
H372 - Causes damage to organs (lung/Respiratory system) through prolonged or repeated exposure (inhalation)

Precautionary statements (GHS-US)

: P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER/doctor if you feel unwell
P308+P313 - IF Exposed or concerned: Get medical advice/attention
P314 - Get medical advice and attention if you feel unwell
P264 - Wash hands and forearms thoroughly after handling
P270 - Do not eat, drink or smoke when using this product

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P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P208 - Wear eye protection, protective clothing, protective gloves
P260 - Do not breathe dust
P271 - Use only outdoor or in a well-ventilated area
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container according to local, regional, national, and international regulations

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	GHS-US classification
Quartz	(CAS No.) 14808-60-7	99 - 100	Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact : Rinse immediately with plenty of water. Gently wash with plenty of soap and water. Obtain medical attention if irritation persists.
First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Seek medical attention if material is embedded in eye. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Repeated or prolonged inhalation may damage lungs
Symptoms/injuries after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/injuries after skin contact : Prolonged contact with large amounts of dust may cause mechanical irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/injuries after eye contact : Redness, pain.
Symptoms/injuries after ingestion : Abdominal pain.
Chronic symptoms : Respiratory difficulties. May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

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Explosion hazard	:	No particular fire or explosion hazard.
Reactivity	:	Hazardous reactions will not occur under normal conditions.
5.3. Advice for firefighters		
Precautionary measures fire	:	Fight fire with normal precautions from a reasonable distance.
Firefighting instructions	:	Not flammable.
Protection during firefighting	:	Use normal individual fire protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not breathe dust. Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection.

Emergency procedures : Collect as any solid.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not breathe dust.
Precautions for safe handling : Avoid crating or spreading dust.
Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke in areas where product is used.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool place. Keep container tightly closed.
Incompatible material : In finely divided state: reacts with (strong) oxidizers such as: hydrofluoric acid, chlorine trifluoride, oxygen difluoride, fluorine.
Storage area : Store in dry, cool area.
Special rules on packaging : Keep container closed when not in use.

7.3. Specific end use(s)

Sand for specialty applications

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Quartz (14808-60-7)

USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
USA IDLH	US IDLH (mg/m ³)	50 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	(30)/(% SiO ₂) mg/m ³ - total dust
	(Mineral Dust)	(10)/(% SiO ₂) mg/m ³ - respirable fraction

8.2. Exposure controls

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- Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Avoid dust productions.
- Personal protective equipment : In case of dust productions; dustproof clothing. In case of dust production: protective goggles. Insufficient ventilation: wear respiratory protection. High dust production: self-contained breathing apparatus.



- Hand protection : Impermeable protective gloves.
- Eye protection : Protective goggles.
- Skin and body protection : Handle in accordance with good industrial hygiene and safety practice. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Wear suitable protective clothing. Wash contaminated clothing before reuse.
- Respiratory protection : Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.
- Consumer exposure controls : Do not breathe dust. Wear recommended personal protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Crystalline solid
- Color : Natural Color
- Odor : Odorless
- Odor threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : 1710°C (3110°F)
- Freezing point : No data available
- Boiling point : 2230°C (4046°F)
- Flash point : No data available
- Self-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available
- Relative vapor density at 20°C : No data available
- Density : 2.65 (approximately)
- Solubility : Water: Insoluble
- Log Pow : No data available
- Log Kow : No data available
- Explosive properties : None known
- Oxidizing properties : None known
- Explosive limits : 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

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Stable under normal temperature and pressure.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid strong oxidizers.

10.6. Hazardous decomposition products

Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer (inhalation)

Quartz (14808-60-7)	
IARC group	Group 1
National Toxicity Program (NTP) Status	Known Human Carcinogen

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation
Specific target organ toxicity (repeated exposure)	: Causes damage to organs (lungs/respiratory system) through prolonged or repeated exposure (inhalation)

Silica Sand, All Grades (14808-60-7)	
Additional Information	Repeated or prolonged exposure to respirable crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.

Aspiration hazard	: Not classified
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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Silica Sand, All Grades (14808-60-7)	
Persistence and degradability	Not readily biodegradable

12.3. Bio accumulative potential

Silica Sand, All Grades (14808-60-7)	
Bio accumulative potential	Not expected to bio accumulate

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)	: Disposal must be done according to official regulations
Waste disposal recommendations	: Nonhazardous waste

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SECTION 14: Transport information

In accordance with DOT/TDG/ADR/RID/ADNR/IMDG/ICAO/IATA

14.1. UN number

No dangerous good in sense of transport regulations

14.2. UN proper shipping name

Not applicable

14.3. Overland transport

No additional information available

14.4. Transport by sea

No additional information available

14.5. Air transport

No additional information available

14.6. Additional information

Other information : No supplementary information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Silica Sand, All Grades (14808-60-7)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

Quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

15.2.1. Canada

Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Class D Division 2 Subdivision A – Very toxic material causing other toxic effects
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15.2.2. National regulations

Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

Listed on carcinogen on NTP (National Toxicology Program)

15.3. US State regulations

Quartz (14808-60-7)

U.S. - California - Proposition 65 - Carcinogen

WARNING! This product contains Quartz, a substance known to the State of California to cause cancer.

U.S. - Hawaii - Occupational Exposure Limits - TWAs

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)

U.S. - Idaho - Occupational Exposure Limits - Mineral Dusts

U.S. - Illinois - Toxic Air Contaminant Carcinogens

U.S. - Main - Chemicals of High Concern

U.S. - Massachusetts - Rights To Know List

U.S. - Michigan - Occupational Exposure Limits - TWAs

U.S. - Minnesota - Chemicals of High Concern

U.S. - Minnesota - Hazardous Substance List

U.S. - Minnesota - Permissible Exposure Limits - TWAs

U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour

U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual

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U.S. - New Jersey - Special Health Hazards Substances List
U.S. - Oregon - Permissible Exposure Limits - Mineral Dusts
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs

SECTION 16: Other information

NFPA health hazard : 2 – Intense of continued exposure could cause temporary incapacitation of possible residual injury unless prompt medical attention is given
NFPA fire hazard : 0 – Materials that will not burn
NFPA reactivity : 0 – Normally stable, even under fire exposure conditions, and are not reactive with water



HMIS III Rating

Health : 2* Moderate Hazard – Temporary or minor injury may occur
Flammability : 0 Minimal Hazard
Physical : 0 Minimal Hazard
Personal Protection : E

Full text of H-phrases:

Carc. 1A	Carcinogenicity Category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure

SDS CAS No. 14808-60-7

The above information is believed to be accurate based on the most current data available and current as of the date of this Safety Data Sheet, and is offered in good faith. Carbon Enterprises Inc. makes no warranty, either expressed or implied, with respect to such information, and assumes no liability resulting from its use. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Carbon Enterprises Inc., it is the user's obligation to determine the conditions of safe use of the product and the suitability of each product or product combination for their own purposes. Carbon Enterprises Inc. shall not be liable for claims, losses or damages of any third party or for lost profits or incidental or consequential damages.