



SAFETY DATA SHEET

Effective Date: 6/1/2015
Replaces: February 2004

Sand & Gravel

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sand & Gravel	CAS #: Mixture
Synonyms/Common Names: Natural sand or gravel, construction aggregate, rock, stone	
Manufacturer/Contact Info: Teichert Aggregates PO Box 15002 Sacramento, CA 95851	General Phone Number: (916) 484-3011 (8-5, PST, M-F) Emergency Phone Number: (800) 287-7383

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful by inhalation and eyes.

OSHA REGULATORY STATUS

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication) and 8 CCR § 5194 (Cal/OSHA).

POTENTIAL HEALTH EFFECTS

Routes of Exposure:

Inhalation. Skin contact. Eye contact.

Eye Contact:

Do not get this material in contact with eyes. Dust may irritate the eyes.

Skin:

Do not get this material in contact with skin. Dust may irritate skin.

Inhalation:

Prolonged inhalation may be harmful. Inhalation of high concentrations of quartz dust can lead to the lung disease known as silicosis, with cough and shortness of breath.

Ingestion:

Under normal conditions of intended use, this material does not pose a risk to health.

TARGET ORGANS

Eyes. Skin. Lungs.

CHRONIC EFFECTS

Conjunctiva. Inhalation of very high levels of airborne dust for several weeks may produce coughing, fever, and weight loss. Prolonged and routine inhalation of fine quartz dust may lead to the lung disease known as silicosis. Chronic exposure may also result in other lung problems such as chronic obstructive pulmonary disease.

GHS label elements



Hazard Statements:

May cause irritation of eyes and skin
May cause respiratory irritation

SIGNS AND SYMPTOMS

Corneal damage. Conjunctivitis. Irritation. Respiratory system irritation.

POTENTIAL ENVIRONMENT EFFECTS

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS No.	% by Weight
Crushed sand and gravel ⁽¹⁾	14808-60-7	100

Comments: (1) Quartz is a naturally occurring form of crystalline silica. Composition varies naturally.

SECTION 4. FIRST AID MEASURES**Eyes:**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Skin:

Wash contact areas with soap and water. Get medical attention if irritation develops or persists.

Inhalation:

Remove to fresh air. Get medical attention if any discomfort continues.

Ingestion:

Seek medical advice. If ingestion of a large amount does occur, call a poison control center immediately. However, ingestion of small amounts of the material is not expected to pose a significant health hazard.

Notes to Physician:

Keep victim under observation. Symptoms may be delayed. Prolonged and routine inhalation of quartz dust can lead to delayed lung disease known as silicosis. Early symptoms of silicosis include coughing, wheezing, shortness of breath. Chronic exposure may also result in other lung problems such as chronic obstructive pulmonary disease. Inhalation of very high levels of airborne dust for several weeks may produce coughing, fever, and weight loss.

General Advice:

If exposed or concerned: get medical attention/advice. If breathing is difficult, give oxygen. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. As with any chemical, skin contact with this product, and the breathing of product dust should be minimized. We strongly recommend that the precautions stated in this MSDS be followed when handling the product.

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties:	Flashpoint (method used):	Flammable Limits in Air (% volume in air):	
Not available	Product: NE	Not available	LEL: NE UEL: NE

Extinguishing Media:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Protection of Firefighters:

Use water until well after fire is out.

Specific Methods:

Containers close to fire should be removed or cooled with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Avoid inhalation of dust.

Environmental Precautions:

Do not contaminate water sources or sewer.

Methods for Containment:

Prevent entry into waterways, sewers or confined areas.

Methods for Clean Up:

Sweep up or gather material and place in appropriate container for disposal. Avoid release to the environment. Do not allow material to enter storm or sanitary sewers, groundwater or soil.

SECTION 7. HANDLING AND STORAGE**Handling:**

Do not get this material in contact with eyes. Do not get this material in contact with skin. Use only with adequate ventilation. Use personal protective equipment as needed. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment. This product is not intended or designed for use as an abrasive blasting medium or for foundry applications and should not be used for these purposes. Respirable crystalline silica-containing dust may be generated when product is subject to mechanical forces such as demolition work, surface treatment (sanding, grooving, chiseling, etc.) and recycling of pavement.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Avoid heat, sparks, open flames and other ignition sources. Keep this material away from food, drink and animal feed. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	OSHA/MSHA Permissible Exposure Limit (PEL)	ACGIH Threshold Limit Value (TLV)	Cal/OSHA Permissible Exposure Limit (PEL)
Particulates (Not otherwise regulated)	5 mg/m ³ (respirable) 15 mg/m ³ (total dust) as particulate NOR	3 mg/m ³ (respirable) 10 mg/m ³ (inhalable)	5 mg/m ³ (respirable) 10 mg/m ³ (total)
Crystalline Silica (Quartz, Cristobalite, Tridymite)	OSHA: 10 mg/m ³ (%SiO ₂ +2) (respirable particulate containing silica) OSHA PEL for cristobalite and tridymite is ½ of the calculated value for quartz. MSHA: 30 mg/m ³ (%SiO ₂ +2) (total particulate containing silica)	0.025 mg/m ³ (respirable quartz and cristobalite)	0.1 mg/m ³ (respirable quartz) 0.05 mg/m ³ (respirable cristobalite and tridymite)

Engineering Controls:

Provide adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:**Eye / Face Protection:**

Wear safety glasses with side shields. Use personal protective equipment as required.

Skin Protection:

Wear suitable gloves.

Respiratory Protection:

Use personal protective equipment as required. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory protection. If airborne concentrations exceed applicable exposure limits (PEL), wear NIOSH-approved respiratory protective equipment to maintain exposures below the PEL.

General Hygiene Considerations:

Do not get this material in contact with eyes. Do not get this material in contact with skin. Keep away from food, drink and animal feeding stuffs. Observe good industrial hygiene practices.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance & Odor:**

Products are a combination of common sand, gravel and crushed rock; size of particles varies according to product. Odorless.

pH: Not available	Melting Point: Not available	Boiling Point: Not available
Evaporation Rate: Not available	Vapor Pressure: Not available	Vapor Density: Not available
Specific Gravity: 2.2 - 3	Solubility (water): 0	

SECTION 10. CHEMICAL STABILITY & REACTIVITY INFORMATION
Chemical Stability: Stable at normal conditions.
Conditions to Avoid: Avoid incompatible materials.
Incompatible Materials: Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products: None
Hazardous Polymerization: Hazardous polymerization does not occur.

SECTION 11. TOXICOLOGY INFORMATION
Sensitization: Not available
Local Effects: Airborne particles can cause eye irritation. Irritating to respiratory system.
Chronic Effects: Hazardous by OSHA criteria.
Carcinogenicity: Hazardous by OSHA criteria.
IARC Monographs on Occupational Exposures to Chemical Agents: Overall evaluation Quartz [Silica Crystalline] (14808-60-7) 1 Human carcinogen
US ACGIH Threshold Limit Values: A2 carcinogen Quartz [Silica Crystalline] (14808-60-7) Group A2 Suspected human carcinogen
US NTP Report on Carcinogens: Known carcinogen Quartz [Silica Crystalline] (14808-60-7) Known carcinogen

SECTION 12. ECOLOGICAL INFORMATION
Environmental Effects: Not available
Other: Not available

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal Instructions: Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Waste from Residues / Unused Products: Dispose of waste and residues in accordance with local state and federal requirements.

SECTION 14. TRANSPORT INFORMATION [NOTE: NOT INTENDED TO BE ALL-INCLUSIVE]	
DOT Proper Shipping Name: Not regulated	DOT Hazard Classification: Not applicable
US/NA Number: Not regulated	DOT Packing Group: Not applicable
Labeling Requirements: Label as required by the OSHA Hazard Communication standard 29CFR 1910.1200(f), MSHA Hazard Communication standard (30 CFR Part 47) and applicable state and local regulations.	

SECTION 15. REGULATORY INFORMATION [NOTE: NOT INTENDED TO BE ALL-INCLUSIVE]**US Federal Regulations:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 (OSHA) and 8 CCR § 5194 (Cal/OSHA).

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

None

Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III:**Hazardous Categories:**

Immediate Hazard – Yes
Delayed Hazard – Yes
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No

Section 302 Extremely Hazardous Substance:

No

Section 311 Hazardous Chemical

No

California Proposition 65:

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

State Regulatory Lists:

The following materials/components are specifically listed by individual states. For details on regulatory requirements, you should contact the appropriate agency in your state:

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Quartz [Silica crystalline] (14808-60-7) Listed

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Quartz [Silica crystalline] (14808-60-7) Listed: October 1, 1988 Carcinogenic

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Quartz [Silica crystalline] (14808-60-7) Listed

SECTION 16. OTHER INFORMATION**Disclaimer of Liability:**

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