




SAFETY DATA SHEET

Effective Date: 6/01/2024
Replaces: June 2024

Recycled Asphalt Paving Concrete

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name: Recycled Asphalt Paving Concrete	CAS #: Mixture
Synonyms/Common Names: RAP Concrete, Recycled Road Base	
Product Description: Recycled Pavement mixed with Aggregate and Petroleum Asphalt.	
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.	
OSHA REGULATORY STATUS This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication), and 8CCR 35194 (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 in the eyes will cause irritation.	
Skin: Do not get this material in contact with skin.	
Inhalation: Dust may irritate the respiratory system. Prolonged inhalation may be harmful.	
Ingestion: Under normal conditions of intended use, this material does not pose a significant risk to health through ingestion.	
TARGET ORGANS Eyes. Skin. Respiratory system.	
CHRONIC EFFECTS Prolonged and routine inhalation of the 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.	
SIGNS AND SYMPTOMS Corneal damage. Conjunctivitis. Defatting of the skin. Rash. Respiratory system irritation.	
GHS label elements Hazard pictograms 	Hazard Statements: May cause irritation of eyes and skin. May cause an allergic skin reaction. May cause respirator irritation.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS				
Hazardous Components	CAS No.	% by Weight	PEL	TLV
Petroleum asphalt – Dust ⁽²⁾	64741-56-6	<10	5 mg/m ^{3*}	.5mg/m ^{3***}
Crushed rock and sand ⁽¹⁾	None	>90	10 mg/m ^{3*}	10mg/m ^{3*}
			5 mg/m ^{3**}	3 mg/m ^{3***}
*TOTAL DUST, PARTICULATES NOT OTHERWISE REGULATED **RESPIRABLE DUST ***FUMES, AS BENZENE-SOLUBLE AEROSOL				
Comments:				
(1) Natural sand includes quartz, a form of crystalline silica. Sand is bound by asphalt cement in the product and is not potentially airborne. Composition varies naturally.				
(2) The product may include one or more performance-enhancing additives. Each is present at less than 1% of the total product.				
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 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: Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. 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.
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, fumes or vapors, should be minimized.
Suspected Cancer Agent <u>NO</u> Federal OSHA <u>NO</u> NTP <u>X</u> IARC
NOTE: 1) IARC LISTS CRYSTALLINE SILICA AS A KNOWN HUMAN CARCINOGEN. 2) EXPOSURE TO AIRBORNE SILICA DUST DURING PRODUCT USE IS UNLIKELY BECAUSE SAND PARTICLES ARE COATED WITH ASPHALT.

SECTION 5. FIRE FIGHTING MEASURES			
Flammable Properties: Not a fire hazard.	Flashpoint (method used): Product: NE	Flammable Limits in Air (% volume in air):	
		Not Available	LEL: NE UEL: NE
Extinguishing Media: Foam. Dry chemical powder. Carbon dioxide (CO ₂).			
Protection of Firefighters: Cool containers with flooding quantities of water until well after fire is out.			
Specific Methods: Use of water on an asphalt fire in a tank or other container may cause 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. Use only with adequate ventilation. Use personal protective equipment. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment. 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.).

Storage:

Store in a well-ventilated place. 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)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)	10 mg/m ³ (total), 5 mg/m ³ (respirable)
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 from dust. 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:

Leather work gloves are appropriate. Use personal protective equipment as necessary.

Respiratory Protection:

In case of inadequate ventilation use appropriate respiratory protection as necessary. If airborne concentrations exceed permissible exposure limits (PEL), wear NIOSH-approved respirators to maintain exposures below the PEL.

General Hygiene Considerations:

Use work clothing. 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 combination of sand, gravel and crushed rock; size of particles varies according to product, Odorless.

pH:	Melting Point:	Boiling Point:
------------	-----------------------	-----------------------

Not available	Not available	Not available
Evaporation Rate: Not available	Vapor Pressure: Not available	Vapor Density: Not available
Specific Gravity: 2.3 – 2.6	Solubility (water): Negligible	

SECTION 10. CHEMICAL STABILITY & REACTIVITY INFORMATION
Chemical Stability: Stable at normal conditions.
Conditions to Avoid: Avoid incompatible materials and intense heat.
Incompatible Materials: Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products: Carbon oxides. Sulfur dioxide. Hydrogen sulfide.
Hazardous Polymerization: Hazardous polymerization does not occur.

SECTION 11. TOXICOLOGY INFORMATION
Sensitization: Not available
Local Effects: Contact may irritate or burn eyes. Irritating to respiratory system. Thermal contact burns.
Chronic Effects: Hazardous by OSHA criteria.
Carcinogenicity: Crystalline silica poses a health hazard when it is inhaled as a dust. Normal use of product does not generate silica or other dust.
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: 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. Dispose in accordance with all applicable regulations.
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

Yes

California Proposition 65:

 **WARNING:** This product can expose you to chemicals including crystalline silica, which are known to the State of California to cause cancer, and benzene, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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:**

Teichert Aggregates believes the information contained herein is accurate; however, Teichert Aggregates makes no guarantees with respect to such accuracy and assumes no liability in connection with the use of the information contained herein by any party. The provision of the information contained herein is not intended to be and should not be constructed as legal advice or as ensuring compliance with any federal, state or local laws and regulations. Any party using this product should review all such laws, rules or regulations prior to use.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.