



# TEICHERT AGGREGATES

P.O. BOX 15002  
SACRAMENTO, CALIFORNIA 95851

# MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: FEBRUARY 2004

## I. IDENTIFICATION

<b>TRADE NAME:</b>	RECYCLED CONCRETE AND/OR RECYCLED ASPHALT		
<b>COMMON NAME:</b>	RECYCLED MATERIALS BASE, MISCELLANEOUS BASE		
<b>MANUFACTURER'S NAME:</b>	TEICHERT AGGREGATES, PO BOX 15002, SACRAMENTO CA 95851		
<b>TELEPHONE NUMBER:</b>	916 484-3011	<b>DATE REVISED:</b> AUGUST 2003	
<b>PRODUCT DESCRIPTION:</b> PRODUCT IS CRUSHED RECYCLED CONCRETE, ASPHALT AND/OR SIMILAR MATERIALS ORIGINATING AS NON-CONTAMINATED CONSTRUCTION DEBRIS.			
<b>DEPARTMENT OF TRANSPORTATION</b>	<b>HAZARD CLASSIFICATION</b>	N/A	
	<b>SHIPPING NAME</b>	N/A	

## II. PHYSICAL PROPERTIES

<b>BOILING POINT, 760 mm. Hg</b>	N/A	<b>FREEZING POINT</b>	N/A
<b>SPECIFIED GRAVITY (H<sub>2</sub>O = 1)</b>	2.3 - 2.8	<b>VAPOR PRESSURE</b>	N/A
<b>VAPOR DENSITY (air = 1)</b>	N/E	<b>SOLUBILITY IN WATER, % BY WT.</b>	NEGLIGIBLE
<b>PERCENT VOLATILES BY VOLUME</b>	N/E	<b>EVAPORATION RATE (Butyl Acetate = 1)</b>	N/E
<b>APPEARANCE AND ODOR</b>	PIECES OF CRUSHED CONCRETE AND/OR ASPHALT MATERIAL, ODORLESS		

## III. HAZARDOUS INGREDIENTS

MATERIAL	%	PEL	TLV	CAS NUMBER
CRUSHED CONCRETE AND/OR CRUSHED ASPHALT (1) (2)	100	10 mg/m <sup>3*</sup> 5 mg/m <sup>3**</sup>	10 mg/m <sup>3</sup>	N/E
CRYSTALLINE SILICA		0.3 mg/m <sup>3***</sup> 0.1 mg/m <sup>3****</sup>	0.05 mg/m <sup>3****</sup>	14808-060-7

**NOTE:** (1) CRUSHED CONCRETE AND CRUSHED ASPHALT CONTAIN ROCK AND SAND. NATURAL SAND INCLUDES QUARTZ, A FORM OF CRYSTALLINE SILICA. COMPOSITION VARIES. (2) MATERIAL MAY INCLUDE SMALL PERCENTAGES (LESS THAN 15%) OF GLASS, PORCELAIN, OR OTHER CERAMIC MATERIALS.

\*: TOTAL DUST, PARTICULATES NOT OTHERWISE REGULATED. \*\*: RESPIRABLE DUST, PNOR. \*\*\*TOTAL SILICA  
\*\*\*\*RESPIRABLE SILICA

## IV. FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (test method)</b>	N/A			
<b>FLAMMABLE LIMITS IN AIR, % by volume</b>	LOWER	N/A	UPPER	N/A
<b>EXTINGUISHING MEDIA</b>	NONE			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	NONE			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	NONE			

## EMERGENCY PHONE NUMBER

N/A = not applicable

**(916) 484-3011**

N/E = not established

## V. HEALTH HAZARD INFORMATION

### EFFECTS OF ACUTE OVEREXPOSURE

SWALLOWING NO SIGNIFICANT HAZARD POSED

SKIN CONTACT SHORT TERM IRRITATION

INHALATION PRODUCT FRAGMENTS MAY INCLUDE FINE SILICA (QUARTZ) DUST. PROLONGED OR ROUTINE INHALATION OF FINE QUARTZ DUST CAN LEAD TO THE LUNG DISEASE KNOWN AS SILICOSIS.

EYE CONTACT SHORT TERM IRRITATION

### EFFECTS OF REPEATED OVEREXPOSURE

**ACUTE:** AIRBORNE PARTICLES CAN CAUSE EYE IRRITATION. INHALATION OF VERY HIGH LEVELS OF AIRBORNE DUST MAY PRODUCE COUGHING AND IRRITATION.

**CHRONIC:** PROLONGED AND ROUTINE INHALATION OF RESPIRABLE QUARTZ DUST CAN LEAD TO THE LUNG DISEASE KNOWN AS SILICOSIS. EARLY SYMPTOMS OF SILICOSIS INCLUDE COUGHING, WHEEZING, SHORTNESS OF BREATH, AND INCREASED LIKELIHOOD OF OTHER LUNG PROBLEMS.

### OTHER HEALTH HAZARDS

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** PRIOR SKIN PROBLEMS SUCH AS DERMATITIS, PRIOR RESPIRATORY TRACT CONDITIONS SUCH AS BRONCHITIS.

### EMERGENCY AND FIRST AID PROCEDURES

SWALLOWING SEEK MEDICAL ADVICE, BUT INGESTION OF SMALL AMOUNTS OF THE MATERIAL IS NOT EXPECTED TO POSE A SIGNIFICANT HEALTH HAZARD.

SKIN WASH SKIN WITH WATER AND MILD SOAP.

INHALATION REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF DISCOMFORT OR IRRITATION PERSISTS.

EYES FLUSH EYES WITH LARGE AMOUNTS OF WATER. SEEK MEDICAL ATTENTION.

### SUSPECTED CANCER AGENT?

NO FEDERAL OSHA NO NTP X IARC

**NOTE:** IARC LISTS CRYSTALLINE SILICA AS HUMAN CARCINOGEN. CRYSTALLINE SILICA POSES A HEALTH HAZARD WHEN IT IS INHALED AS A DUST.

**PROP 65 WARNING:** CRUSHED RECYCLED CONCRETE AND ASPHALT CONTAINS QUANTITIES OF FINE CRYSTALLINE SILICA. CRYSTALLINE SILICA (QUARTZ) DUST IS LISTED UNDER TITLE 22, SECTION 12000, AS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. ALWAYS FAMILIARIZE YOURSELF WITH THE HAZARDS OF THE MATERIALS AND EQUIPMENT YOU ARE USING AND FOLLOW THE PRECAUTIONS INDICATED ON PRODUCT LABELS, MATERIAL SAFETY DATA SHEETS AND YOUR HEALTH AND SAFETY TRAINING PROGRAM.

<b>VI. REACTIVITY DATA</b>			
<b>STABILITY</b>		<b>CONDITION TO AVOID</b>	NONE
UNSTABLE	STABLE		
	X		
<b>INCOMPATIBILITY (materials to avoid)</b>		STRONG OXIDIZERS, SUCH AS STRONG ACIDS.	
<b>HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS</b>		CARBON DIOXIDE, SULFUR DIOXIDE	
<b>HAZARDOUS POLYMERIZATION</b>		<b>CONDITION TO AVOID</b>	NONE
May Occur	Will Not Occur		
	X		
<b>VII. SPILL OR LEAK PROCEDURES</b>			
<b>STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED</b>		MATERIAL DOES NOT POSE HAZARD TO IMMEDIATE HAZARD TO WORKERS OR THE ENVIRONMENT. TRANSFER SPILLED MATERIAL TO CONTAINERS FOR REUSE OR DISPOSAL WITH NORMAL TRASH. USE NORMAL GOOD HYGIENE PRACTICES TO MINIMIZE EXPOSURE (WEAR SKIN AND EYE PROTECTION, AS NECESSARY).	
<b>WASTE DISPOSAL METHOD</b>		PRODUCT IS NOT CLASSIFIED AS HAZARDOUS WASTE.	
<b>VIII. SPECIAL PROTECTION INFORMATION</b>			
<b>RESPIRATORY PROTECTION (specific type)</b>		IF AIRBORNE CONCENTRATIONS EXCEED OSHA PERMISSIBLE EXPOSURE LIMITS, WEAR NIOSH-APPROVED RESPIRATORS TO ACHIEVE EXPOSURES BELOW THE PEL.	
<b>VENTILATION</b>		N/A	
<b>PROTECTIVE GLOVES</b>		AVOID PROLONGED OR REPEATED CONTACT WITH PRODUCT.	
<b>EYE PROTECTION</b>		AVOID EYE CONTACT; WEAR SAFETY GLASSES OR GOGGLES, AS NEEDED.	
<b>OTHER PROTECTIVE EQUIPMENT</b>		COVERALLS OR OTHER WORK CLOTHING THAT MINIMIZES SKIN CONTACT WITH PRODUCT.	
<b>IX. SPECIAL PRECAUTIONS</b>			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NONE			

## X. ADDITIONAL INFORMATION

### ADDITIONAL HEALTH DATA

PROP 65 WARNING: CRUSHED RECYCLED CONCRETE AND ASPHALT CONTAINS QUANTITIES OF CHRYSENE, BENZO(A)PYRENE AND BENZO(A)ANTHRACENE. THESE PETROLEUM ASPHALT COMPONENTS ARE LISTED UNDER TITLE 22, SECTION 12000, AS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. ALWAYS FAMILIARIZE YOURSELF WITH THE HAZARDS OF THE MATERIALS AND EQUIPMENT YOU ARE USING AND FOLLOW THE PRECAUTIONS INDICATED ON PRODUCT LABELS, MATERIAL SAFETY DATA SHEETS, AND YOUR HEALTH AND SAFETY TRAINING PROGRAM.

SKIN EXPOSURE TO ASPHALT CAN CAUSE WORKERS TO EXPERIENCE PHOTSENSITIZATION, A CONDITION WHERE THE EXPOSED AREA OF SKIN BECOMES VERY SENSITIVE TO SUN LIGHT AND OTHER SOURCES OF ULTRAVIOLET (UV) LIGHT. WITHOUT EXPOSURE TO UV, SENSITIVE SKIN MAY APPEAR TO BE SUNBURNED. WITH EXOSURE TO UV, THE SKIN MAY BLISTER AND DEVELOP SORES.

AS WITH ANY CHEMICAL, SKIN CONTACT WITHTHIS PRODUCT, AND THE BREATHING OF RODUCT DUST SHOULD BE MINIMIZED. WE STRONGLY RECOMMEND THAT THE PRECAUTIONS STATED IN THIS MSDS BE FOLLOWED WHEN HANDLING THE PRODUCT.

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