



TEICHERT AGGREGATES

P.O. BOX 15002
SACRAMENTO, CALIFORNIA 95851

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: FEBRUARY 2004

I. IDENTIFICATION

TRADE NAME:	RUBBERIZED ASPHALTIC CONCRETE		
COMMON NAME:	RUBBERIZED AC		
MANUFACTURER'S NAME:	TEICHERT AGGREGATES, PO BOX 15002, SACRAMENTO CA 95851		
TELEPHONE NUMBER:	916 484-3011	DATE REVISED: AUGUST 2003	
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION N/A		
	SHIPPING NAME N/A		

II. PHYSICAL PROPERTIES

BOILING POINT, 760 mm. Hg	N/E	FREEZING POINT	N/E
SPECIFIED GRAVITY (H ₂ O = 1)	2.3 - 2.6	VAPOR PRESSURE	N/E
VAPOR DENSITY (air = 1)	N/E	SOLUBILITY IN WATER, % BY WT.	NEGLIGIBLE
PERCENT VOLATILES BY VOLUME	N/E	EVAPORATION RATE (Butyl Acetate = 1)	N/E
APPEARANCE AND ODOR	COARSE BLACK MATERIAL WITH PETROLEUM ODOR		

III. HAZARDOUS INGREDIENTS

MATERIAL	%	PEL	TLV	CAS NUMBER
CRUSHED ROCK AND SAND (1)	>90	10 mg/m ^{3*} 5 mg/m ^{3**}	10 mg/m ^{3*} 3 mg/m ^{3**}	NONE
PETROLEUM ASPHALT	<10	5 mg/m ^{3*}	0.5 mg/m ^{3***}	64741-56-6
VULCANIZED RUBBER	<1	N/E	N/E	N/E

NOTES:

- NATURAL SAND INCLUDES QUARTZ, A FORM OF CRYSTALLINE SILICA.
- THE PRODUCT MAY CONTAIN ONE OR MORE PERFORMANCE-ENHANCING ADDITIVES. EACH IS PRESENT AT LESS THAN 1% OF THE TOTAL PRODUCT.

*TOTAL DUST **RESPIRABLE DUST ***FUMES, AS BENZENE-SOLUBLE AEROSOL

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	NOT FLAMMABLE			
FLAMMABLE LIMITS IN AIR, % by volume	LOWER	N/A	UPPER	N/A
EXTINGUISHING MEDIA	DRY CHEMICAL, CO ₂ , FOAM			
SPECIAL FIRE FIGHTING PROCEDURES	USE OF WATER ON AN ASPHALT FIRE IN A TANK OR OTHER CONTAINER MAY CAUSE A VIOLENT ERUPTION.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	SEE ABOVE. IN ADDITION, FLAMMABLE VAPORS MAY ACCUMULATE IN THE HEAD SPACE OF STORAGE TANKS AND TRANSPORT VESSELS CONTAINING HOT MATERIAL. KEEP IGNITION SOURCES AWAY.			

EMERGENCY PHONE NUMBER

N/A = not applicable

800 287-7383

N/E = not established

V. HEALTH HAZARD INFORMATION

EFFECTS OF ACUTE OVEREXPOSURE

SWALLOWING	NOT EXPECTED TO POSE A SIGNIFICANT HEALTH HAZARD.
SKIN CONTACT	HOT MATERIAL MAY CAUSE THERMAL BURNS
INHALATION	VAPORS/FUMES FROM HOT MATERIAL MAY CAUSE THROAT OR LUNG IRRITATION AND/OR NAUSEA, HEADACHE, AND DIZZINESS. DUST MAY CAUSE RESPIRATORY IRRITATION.
EYE CONTACT	HOT, MOLTEN MATERIAL CAN CAUSE THERMAL BURNS. VAPORS FROM HOT MATERIAL MAY CAUSE EYE IRRITATION.

EFFECTS OF REPEATED OVEREXPOSURE

CHRONIC: PHOTSENSITIZATION OF THE SKIN, SKIN DRYNESS/IRRITATION, CHRONIC RESPIRATORY CONDITIONS (E.G., BRONCHITIS)

OTHER HEALTH HAZARDS

MAY AGGRAVATE 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 COOLED MATERIAL IS NOT EXPECTED TO POSE A SIGNIFICANT HEALTH HAZARD. INGESTION OF HOT MATERIAL WILL CAUSE THERMAL BURNS.
SKIN	IF HOT, MOLTEN MATERIAL CONTACTS SKIN, QUICKLY COOL THE AREA IN WATER. SEEK MEDICAL ATTENTION FOR EXTENSIVE BURNS. DO NOT USE SOLVENTS OR THINNER TO REMOVE ASPHALT FROM SKIN; USE VEGETABLE OIL FOLLOWED BY SOAP AND WATER OR WATERLESS HAND CLEANER.
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 PROBABLE HUMAN CARCINOGEN, NOT A KNOWN HUMAN CARCINOGEN. CRYSTALLINE SILICA POSES A HEALTH HAZARD WHEN IT IS INHALED AS A DUST. NORMAL USE OF PRODUCT DOES NOT GENERATE SILICA OR OTHER DUST.

PROP 65 WARNING: CRUSHED ROCK AND SAND IN RUBBERIZED ASPHALTIC CONCRETE 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.

VI. REACTIVITY DATA

STABILITY		CONDITION TO AVOID	NONE
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (materials to avoid)	STRONG OXIDIZERS, SUCH AS STRONG ACIDS AND HALOGENATED COMPOUNDS, SUCH AS LIQUID CHLORINE AND BROMINE COMPOUNDS.		
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	CARBON DIOXIDE, SULFUR DIOXIDE, HYDROGEN SULFIDE.		
HAZARDOUS POLYMERIZATION		CONDITION TO AVOID	NONE
May Occur	Will Not Occur		
	X		

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	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).
WASTE DISPOSAL METHOD	PRODUCT IS NOT CLASSIFIED AS HAZARDOUS WASTE.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specific type)	IF AIRBORNE CONCENTRATIONS EXCEED OSHA PERMISSIBLE EXPOSURE LIMITS, WEAR NIOSH-APPROVED RESPIRATORS TO ACHIEVE EXPOSURES BELOW THE PEL.
VENTILATION	N/A
PROTECTIVE GLOVES	AVOID PROLONGED OR REPEATED CONTACT WITH PRODUCT. WEAR HEAT RESISTANT AND/OR IMPERMEABLE GLOVES, ACCORDING TO THE PHYSICAL STATE OF THE PRODUCT. COTTON OR LEATHER WORK GLOVES ARE <u>NOT</u> RECOMMENDED.
EYE PROTECTION	AVOID EYE CONTACT; WEAR SAFETY GLASSES OR GOGGLES, AS NEEDED.
OTHER PROTECTIVE EQUIPMENT	COVERALLS OR OTHER WORK CLOTHING THAT MINIMIZES SKIN CONTACT WITH THE PRODUCT.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NONE

X. ADDITIONAL INFORMATION

ADDITIONAL HEALTH DATA

PROP 65 WARNING: RUBBERIZED ASPHALTIC CONCRETE CONTAINS QUANTITIES OF CHRYSENE, BENZO(A)PYRENE AND BENZO(A)ANTHRACENE. THESE PETROLEUM ASPHALT COMPONENTS ARE LISTED UNDER TITLE 22, SECTION 1200, 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 US, SENSITIVE SKIN MAY APPEAR TO BE SUN-BURNED. WITH EXPOSURE TO UV, THE SKIN MAY BLISHTER AND DEVELOP SORES.

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

SOME TYPES OF ASPHALT, INCLUDING THIS PRODUCT, CONTAIN SULFUR AND MAY FORM HYDROGEN SULFIDE GAS WHEN HEATED, OR WHEN HOT ASPHALT IS TRANSFERRED TO A STORAGE AREA AND COOLS. THIS IS PARTICULARLY HAZARDOUS WHEN HEATING OR COOLING OCCURS IN A POORLY VENTILATED AREA. WORKERS EXPOSED TO HIGH CONCENTRATIONS OF HYDROGEN SULFIDE MAY BE RENDERED UNCONSCIOUS WITHIN SECONDS AND, IF NOT IMMEDIATELY REMOVED, DIE AND SUFFER PERMANENT NERVOUS SYSTEM DAMAGE.

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