



# TEICHERT AGGREGATES

P.O. BOX 15002  
SACRAMENTO, CALIFORNIA 95851

# MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: FEBRUARY 2004

## I. IDENTIFICATION

TRADE NAME	CUTBACK ASPHALT		
COMMON NAME:	ROAD PATCH		
MANUFACTURER'S NAME	TEICHERT AGGREGATES		
ADDRESS:	P.O. BOX 15002, SACRAMENTO, CA 95851		
TELEPHONE NUMBER:	(916) 484-3011	DATE REVISED:	AUGUST 2003
PRODUCT DESCRIPTION:	CRUSHED ROCK AND SAND MIXED WITH PETROLEUM ASPHALT AND DISTILLATE.		
DEPARTMENT OF TRANSPORTATION	HAZARD CLASSIFICATION	N/A	
	SHIPPING NAME	N/A	

## II. PHYSICAL PROPERTIES

VAPOR DENSITY (AIR=1)	< 1	MELTING POINT OR RANGE, °F	100-135°F
SPECIFIC GRAVITY	2.2 - 2.9	BOILING POINT OR RANGE, °F	470°
SOLUBILITY IN WATER	nil	EVAPORATION RATE (BUTYL ACETATE=1)	NE
VAPOR PRESSURE, mmHg at 20°C	N/E	APPEARANCE AND ODOR: coarse black material with petroleum odor	

## III. HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% (Approx)	EXPOSURE LIMITS IN AIR	
			ACGIH TLV	OSHA PEL
CRUSHED ROCK AND SAND (1)	MIXTURE	>90	10mg/m <sup>3*</sup> 3mg/m <sup>3**</sup>	10 mg/m <sup>3*</sup> 5 mg/m <sup>3**</sup>
PETROLEUM ASPHALT	8052-42-4	<10	0.5 mg/m <sup>3***</sup>	5 mg/m <sup>3*</sup>
PETROLEUM DISTILLATE	8002-05-9	<1	N/E	N/E

\*TOTAL DUST    \*\*RESPIRABLE DUST    \*\*\*FUMES-ASPHALT (BITUMEN) FUME, AS BENZENE-SOLUBLE AEROSOL.

### NOTES:

- (1) Natural sand includes quartz, a form of crystalline silica. 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.

## EMERGENCY PHONE NUMBER

N/A = not applicable

**(800) 287-7383**

N/E = not established

#### IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT, °F	>500°F	
FLAMMABLE LIMITS IN AIR, % by volume:	LOWER (LEL): N/E	UPPER (UEL): N/E
AUTO IGNITION TEMPERATURE, °F	N/E	
FIRE EXTINGUISHING MATERIALS	DRY CHEMICAL, FOAM, CO <sub>2</sub> . AGENTS APPROVED FOR CLASS B HAZARDS. AVOID USE OF STRAIGHT STREAM WATER. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. DO NOT LET WATER MAKE DIRECT CONTACT WITH HOT MATERIAL IN A CONTAINER DUE TO THE POTENTIAL OF A VIOLENT EXPLOSION.	
SPECIAL FIRE FIGHTING PROCEDURES	USE OF WATER ON ASPHALT FIRE IN A TANK OR OTHER CONTAINER MAY CAUSE A VIOLENT ERUPTION.	
UNUSUAL FIRE AND EXPLOSION HAZARDS	ADDING WATER TO HOT ASPHALT PRESENTS AN EXPLOSION HAZARD. DO NOT HEAT ABOVE FLASHPOINT. NEVER WELD OR USE CUTTING TORCH OR OPEN FLAME ON OR NEAR FULL OR PARTIALLY FULL OR EMPTY CONTAINERS AS VAPORS CAN IGNITE EXPLOSIVELY. WARNING: HYDROGEN SULFIDE (H <sub>2</sub> S) AND OTHER GASES/VAPOR MAY EVOLVE AND COLLECT IN THE HEAD SPACE OF STORAGE TANKS OR OTHER ENCLOSED VESSELS AND CREATE AN EXPLOSION TOXIC OR OXYGEN DEFICIENT ENVIRONMENT.	

#### V. HEALTH HAZARD INFORMATION

##### SYMPTOMS OF OVEREXPOSURE

INHALED	VAPORS/FUMES FROM HOT MATERIALS MAY CAUSE THROAT OR LUNG IRRITATION AND NAUSEA.
CONTACT WITH SKIN OR EYES	HOT, MOLTEN MATERIAL CAN CAUSE THERMAL BURNS. EMISSIONS (FUMES) MAY BE IRRITATING TO EYES.
ABSORBED THROUGH SKIN	NO
SWALLOWED	NOT EXPECTED TO POSE A SIGNIFICANT HEALTH HAZARD. DIRECT CONTACT WITH HOT MATERIAL CAN CAUSE THERMAL BURNS.

##### HEALTH EFFECTS OR RISKS FROM EXPOSURE (ALSO SEE SECTION IX)

ACUTE	EYE AND RESPIRATORY TRACT IRRITATION, THERMAL CONTACT BURNS.
CHRONIC	PHOTOSENSITIZATION OF THE SKIN, SKIN DRYNESS/IRRITATION, CHRONIC RESPIRATORY CONDITIONS (e.g., BRONCHITIS). MECHANICAL FORCES WHICH GENERATE DUST PARTICLES MAY CAUSE EXPOSURE TO RESPIRABLE SILICA (QUARTZ) DUST, WHICH CAN LEAD TO SILICOSIS.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	PRIOR SKIN PROBLEMS SUCH AS DERMATITIS, PRIOR RESPIRATORY TRACT CONDITIONS SUCH AS BRONCHITIS.

## EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	FLUSH EYES WITH LARGE AMOUNTS OF CLEAN WATER FOR AT LEAST 15 MINUTES WITH EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN CONTACT	IF HOT, MOLTEN MATERIAL CONTACTS SKIN, QUICKLY COOL THE AREA WITH WATER. SEEK MEDICAL ATTENTION FOR EXTENSIVE BURNS. DO <b>NOT</b> USE SOLVENTS OR THINNER TO REMOVE ASPHALT FROM SKIN. ASPHALT CAN BE REMOVED WITH VEGETABLE OIL FOLLOWED BY SOAP AND WATER OR WATERLESS HAND CLEANER.
INHALED	REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF DISCOMFORT OR IRRITATION PERSISTS.
SWALLOWED	SEEK MEDICAL ADVICE, BUT INGESTION OF SMALL AMOUNTS OF THE MATERIAL IS NOT EXPECTED TO POSE A SIGNIFICANT HEALTH HAZARD.

SUSPECTED CANCER AGENT?    NO Federal OSHA                      NO NTP                        X   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.

**PROP 65 WARNING:** CRUSHED ROCK AND SAND IN CUTBACK 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.

### ADDITIONAL HEALTH DATA

PROP 65 WARNING: CUTBACK 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 asphalts can cause workers to experience *photosensitization*, a condition where the exposed area of skin becomes very sensitive to sunlight, and other sources of ultraviolet (UV) light. Without exposure to UV, sensitive skin may appear to be sunburned. With exposure to UV, the skin may blister and develop sores.

As with any chemical, skin contact with this product, and the breathing 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 asphalts contain sulfur and may form hydrogen sulfide gas when heated, or when hot asphalt is transferred to a storage area and let cool. 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 or suffer permanent nervous system damage.

## VI. REACTIVITY DATA

STABILITY		
STABLE	UNSTABLE	CONDITIONS TO AVOID: AVOID CONTACT WITH INCOMPATIBLE MATERIALS (SEE BELOW)
X		
INCOMPATIBILITY MATERIALS TO AVOID:           STRONG OXIDIZERS, SUCH AS STRONG ACIDS		
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:		CARBON MONOXIDE AND OTHER COMPOUNDS (e.g., AMINES, NITROGEN DIOXIDE, SULFUR DIOXIDE, OZONE, HYDROGEN SULFIDE, AND VARIOUS HYDROCARBONS) MAY BE RELEASED BY THERMAL DECOMPOSITION. HAZARDOUS VAPORS MAY COLLECT IN ENCLOSED VESSELS OR AREAS IF NOT PROPERLY VENTILATED
HAZARDOUS POLYMERIZATION		
MAY OCCUR	WILL NOT OCCUR	CONDITIONS TO AVOID: NONE
	X	

## VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILL RESPONSE PROCEDURES	MATERIAL DOES NOT NORMALLY POSE HAZARD TO WORKERS OR THE ENVIRONMENT. IF MATERIAL IS HOT, ALLOW TO COOL, AND THEN CLEAN UP MATERIAL AS SOON AS POSSIBLE. TRANSFER SPILLED MATERIAL TO CONTAINERS FOR REUSE OR DISPOSAL WITH NORMAL TRASH. USE NORMAL GOOD HYGIENE PRACTICES TO MINIMIZE EXPOSURE. PREVENT SPILLED MATERIALS FROM ENTERING STREAMS, DRAINAGES, OR SEWERS. SPILLS ENTERING SURFACE WATERS (OR OTHER WATERWAYS) THAT CAUSE A SHEEN MUST BE REPORTED TO APPROPRIATE COUNTY, STATE AND FEDERAL OFFICIALS.
WASTE DISPOSAL METHOD	PRODUCT IS NOT CLASSIFIED AS HAZARDOUS WASTE.

## VIII. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	IF AIRBORNE CONCENTRATIONS EXCEED CAL/OSHA PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH-APPROVED RESPIRATORS TO MAINTAIN EXPOSURES BELOW THE PEL.
VENTILATION AND ENGINEERING CONTROLS	USE ONLY IN WELL VENTILATED AREAS.
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 <b>NOT</b> RECOMMENDED.
EYE PROTECTION	AVOID CONTACT WITH EYES; WEAR SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.
OTHER PROTECTIVE EQUIPMENT	COVERALLS OR OTHER WORK CLOTHING THAT MINIMIZES SKIN CONTACT WITH PRODUCT.
WORK PRACTICES, HYGIENIC PRACTICES	USE WORK PRACTICES THAT MINIMIZES THE CHANCE OF SKIN, EYE AND CLOTHING CONTACT. USE NORMAL GOOD HYGIENE PRACTICES.

## IX. STORAGE & HANDLING PRECAUTIONS

Follow personal protection and controls as set forth in Section VIII of this MSDS when handling product.

Store away from all ignition sources and open flames in accordance with applicable laws and regulations. Storage containers should be vented to prevent over pressurization and vacuum. If personnel must enter a tank that contained this material, follow OSHA's Confined Space Entry Program as specified in 8CCR5157 or 29 CFR 1910.146. Do not store near food, beverages or smoking materials.

Vapors containing hydrogen sulfide may accumulate during storage or transport of asphaltic materials. When petroleum asphalt products are heated, potentially irritating emissions (fumes, mists, and vapors) may be released. Respirable crystalline silica-containing dust may be generated when hardened concrete product is subject to mechanical forces such as demolition work, surface treatment (sanding, grooving, chiseling, etc.), and recycling of pavement.

Do not attempt to clean empty containers. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

Tripping incidences have occurred because of asphalt buildup on bottoms of shoes and boots; buildup should be removed regularly to prevent such incidences. Do not use solvents or thinners to clean footwear.

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