

MATERIAL SAFETY DATA SHEET

SECTION 1

MANUFACTURE'S NAME TRI-AMERICAN ASPHALT PROTECTION PRODUCTS, INC		EMERGENCY TELEPHONE NO. (408) 946-5788
ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE) 980 AMES AVE., SUITE B, MILPITAS, CA. 95035		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS LOOP SEALANT TA-500
CHEMICAL FAMILY HYDROCARBON	FORMULA	

SECTION 11 - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
ASPHALT	22		BASE METAL		
SILICIOUS MATERIAL	65		ALLOYS		
ACRYLIC CO POLYMER	<5		METALLIC COATINGS		
WATER	10		FILLER METAL PLUS COATING OR CORE FLUX		
			OTHERS		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (UNITS)

SECTION 111 - PHYSICAL DATA

BOILING POINT (DEGREES F)	SAME AS	WATER	SPECIFIC GRAVITY (H2O-1)	1.56
VAPOR PRESSURE (MM HG.)	SAME AS	WATER	PERCENT,VOLATILE BY VOLUME (%)	25
VAPOR DENSITY (AIR-1)	SAME AS	WATER	EVAPORATION RATE (_____-1)	NOT KNOWN
SOLUBILITY IN WATER		YES		
APPEARANCE AND ODOR	DARK BROWN SEMI-VISCOUS LIQUID, SLIGHT ODOR			

SECTION 1V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	N/A	FLAMMABLE LIMITS	N/A	LEI	UEI
EXTINGUISHING MEDIA	CO2 OR DRY CHEMICAL				
SPECIAL FIRE FIGHTING PROCEDURES					
UNUSUAL FIRE AND EXPLOSION HAZARDS	CO, CO2, AND OXYGENATES CAN BE FORMED UPON COMBUSTION				
DO NOT HEAT ABOVE THE FLASH POINT OF ASPHALT (450 DEGREES F.)					

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

AS ASPHALT FUME. 5MG/M3 TWA.

EFFECTS OF OVEREXPOSURE

SKIN CONTACT CAN CAUSE DERMATITIS. IF PRODUCT IS EXCESSIVELY

HEATED PETROLEUM FUME OVER-EXPOSURE CAN CAUSE DIZZINESS OR VOMITING.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER

SKIN: REMOVE WITH A WATERLESS HAND CLEANER

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

XX

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

XX

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

RECOVER SPILLED PRODUCT WITH SHOVEL OR

SCOOP. AVOID SKIN CONTACT.

WASTE DISPOSAL METHOD

DISPOSE OF WASTE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE

AND FEDERAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

NOT REQUIRED WITH NORMAL USE OF PRODUCT.

VENTILATION

LOCAL EXHAUST

NOT REQUIRED WITH NORMAL USE.

SPECIAL

MECHANICAL (GENERAL)

OTHER

PROTECTIVE GLOVES

YES.

EYE PROTECTION

ONLY WHEN SPRAYING

OTHER PROTECTIVE EQUIPMENT

WORK CLOTHING TO AVOID CONTACT WITH SKIN.

SECTION IX - SPECIAL PRECAUTIONS

WHEN ASPHALTIC PRODUCTS ARE HEATED, THEY OFTEN GIVE OFF SMALL AMOUNTS OF HYDROGEN SULFIDE. HYDROGEN SULFIDE IS AN EXTREMELY FLAMMABLE, HIGHLY TOXIC GAS. BREATHING HYDROGEN SULFIDE MUST BE AVOIDED. MINIMIZE BREATHING OF VAPORS, FUMES, OR MIST WHEN POSSIBLE, USE VENTILATION OR WORK UPWIND OF SOURCE OF VAPORS, FUMES AND MIST. EXPOSING THE SKIN TO ASPHALT FUMES, MISTS OR VAPORS (AS MAY OCCUR WITH ROOFING, ROAD WORK OR PIPE COATING) CAN INCREASE SENSITIVITY TO SUNBURN. LAUNDRY CONTAMINATED CLOTHING BEFORE USING. DISCARD LEATHER GOODS WHEN THEY CANNOT BE DECONTAMINATED. OBSERVE GOOD PERSONAL HYGIENE, WASH THOROUGHLY AFTER WORKING WITH ASPHALT AND BEFORE EATING OR SMOKING. BREATHING ASPHALT AEROSOL OR ASPHALT SMOKE FOR PROTRACTED PERIODS OF TIME HAS PRODUCED DAMAGE TO THE LUNGS OF MICE. AMONG THE CHANGES OBSERVED WERE BRONCHITIS, PNEUMONITIS, AND ABSCESS FORMATION. ASPHALT FUME CONDENSATES HAVE BEEN SHOWN TO PRODUCE A TUMOROGENIC RESPONSE WHEN REPEATEDLY APPLIED TO THE SKIN OF EXPERIMENTAL ANIMALS. THE RELEVANCE OF THIS DATA TO HUMANS IS NOT KNOWN AT THIS TIME. NOTICE: THE DATA AND RECOMMENDATIONS PRESENTED HEREIN ARE BASED UPON THE RESEARCH OF OTHERS, AND ARE BELIEVED TO BE ACCURATE. NO GUARANTEE OF THEIR ACCURACY IS MADE HOWEVER, AND THE PRODUCTS DISCUSSED ARE DISTRIBUTED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, AND THE PERSON RECEIVING THEM SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY



TRI - AMERICAN, INC.

Manufacturer of
ASPHALT PROTECTION PRODUCTS

TECHNICAL BULLETIN
LOOP SEALANT TA-500

980 AMES AVENUE, MILPITAS, CA 95035 (800) 782-6543 (408) 946-5788

1350 N. 21ST AVENUE, PHOENIX, AZ 85009 (602) 271-9450

COMPOSITION

TA-500 is a single component, asphaltic emulsion sealant, designed to fill and seal INDUCTIVE LOOP "SLOTS". TA-500 comes ready to use, requiring only stirring prior to use. Partial containers may be re-used if container lid is properly secured after use.

TA-500 is "POLYMER" modified, for greater flexibility, and adhesion in both asphalt, or concrete "SLOTS".

SPECIFICATIONS

TA-500 MEETS OR EXCEEDS THE STATE OF CALIFORNIA SPECIFICATION (CALTRANS) #8040-41A-15, for ASPHALTIC EMULSION SEALANTS.

SURFACE PREPARATION

"SLOTS" shall be free of dust, debris, and water prior to the application of TA-500. The use of an "air-jet" is recommended to achieve the above. "SLOTS" that are slightly damp or moist are recommended to assure desired penetration, and adhesion of TA-500 in the "SLOT".

APPLICATION

Mix TA-500 thoroughly prior to use. (when using a mechanical mixer, avoid over mixing, as this may entrain air into the "SLOT", and result in voids in the cured seal.) TA-500 can be poured directly from the container, or poured into any other suitable applicator. Apply TA-500 directly into the "SLOTS" and immediately "strike-off" using our easy to handle "V" shaped squeegee. This procedure will reduce waste, and assure that the "SLOT" is properly filled.

COVERAGE

TA-500 will fill, and seal approximately 30 linear feet of 1/4"x 2" "SLOTS" per gallon. This will vary depending on width/depth of the "SLOT", as well as application technique.

DRY/CURE TIME

Dry-time is approximately 1-hour in warm weather (70 degrees f.) This is the time required prior to vehicle traffic. For earlier traffic, cover TA-500 with a "Fine" dry sand. Dry-time will vary depending on weather conditions, and the amount of TA-500 on the pavement surface.

Cure-time will depend greatly on the width/depth of the "SLOTS" filled, and weather conditions. TA-500 may feel soft to the touch for several days after application, without affecting the final results. TA-500 cures by evaporation of water, unlike the "chemical cure" of other systems.

CLEAN-UP

Water can be used to clean TA-500 from tools, and equipment, prior to drying. A suitable petroleum solvent is required to remove dried product. Heavy residue can be removed with the use of a "steel" scraper prior to using solvent.

continued

PACKAGING

TA-500 is available in 5, and 3 1/2 gallon plastic pails.

PRECAUTIONS

Do not store in direct sunlight, or in temps. above 100 degrees f.

TA-500 shall not be applied during or when rain is imminent.

Application temperatures shall be 50 degrees f. and rising.

Do not dilute or alter TA-500, use as received.

Keep away from children.

Protect from freezing.