

MATERIAL SAFETY DATA SHEET

SECTION 1

MANUFACTURER'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 C/P CRACKFILLER TA-300 S/M
CHEMICAL FAMILY HYDROCARBON	FORMULA	

SECTION 11 - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	N	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
ASPHALT	53		BASE METAL		
SILICIOUS MATERIAL	5		ALLOYS		
ACRYLIC CO POLYMER	<20		METALLIC COATINGS		
WATER	24		FILLER METAL, PLUS COATING OR CORP 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 (15/20-1)	1.01
VAPOR PRESSURE (MM HG.)	SAME AS	WATER	PERCENT VOLATILE BY VOLUME (%)	
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		
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.)					

(CONTINUED ON REVERSE SIDE)

SECTION V - HEALTH HAZARD DATA	
TOXICITY 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	SPECIAL
	MECHANICAL (GENERAL)	OTHER
PROTECTIVE CLOVES	YES.	EYE PROTECTION
		ONLY WHEN SPRAYING
OTHER PROTECTIVE EQUIPMENT		
WORK CLOTHING TO AVOID CONTACT WITH SKIN.		

SECTION IX - SPECIAL PRECAUTIONS	
<p>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 FINE COATING) CAN INCREASE SENSITIVITY TO SUNBURN. LAUNDRY CONTAMINATED CLOTHING BEFORE USING. DISCARD LIQUID 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 PROLONGED 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 TUMORIGENIC 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, REPRESENTATION OR ENDORSEMENT, AND THE PERSON RECEIVING THEM SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY</p>	



TRI - AMERICAN, INC.

Manufacturer of
ASPHALT PROTECTION PRODUCTS

TECHNICAL BULLETIN
CRACKFILLER TA-300 S/M

990 AMES AVENUE, MILPITAS, CA 95035 (800) 782-6543 (408) 946-5788 FAX (408) 946-6077

COMPOSITION

TA-300 S/M cold pour crackfiller is a blend of asphalt emulsion, suitable fillers, and is "SUPER MODIFIED" with a blend of "3 SELECT POLYMERS" for greater flexibility, and adhesion in asphalt or concrete surfaces.

PHYSICAL PROPERTIES

TA-300 S/M meets or exceeds the following specifications:

ASTM D 2939

Residue at 300-400 degrees f.	60-70%
Solubility of residue in C2HCl3	85-95
Firm set	90 Mins.
Viscosity @ 77 degrees f. brookfield, spindle #3 @ 20 rpm	300-700cps
Water resistance	PASS
Flexibility	PASS
Ash content of insoluble residue	70% min.

SURFACE PREPARATION

Cracks must be dry and clean of all loose foreign matter. Use of compressed air or water jet is recommended. Apply a suitable weed killer prior to crackfilling with TA-300 S/M.

APPLICATION

Mix TA-300 S/M thoroughly before using. Use as received from the container. For best results, apply TA-300 S/M with a pour pot or suitable crack sealing applicator. Fill cracks to the surface. Scrape excess material using a "V" shaped rubber squeegee to minimize waste. Prior to TA-300 S/M curing, sprinkle silica sand (lightly) to promote adhesion of Poly-Kote TA-1000.

COVERAGE

Indefinite. For estimating purposes- up to 600 linear feet of 1/2" x 1/4" depth cracks per 5 gallon pail. For bottomless cracks, fill with sand to 3/4"- 1" of the pavement surface. (see chart on back)

CURE TIME

Depends on air temperature, humidity and depth of crack. For early pedestrian or vehicle traffic, cover TA-300 S/M with a dry "fine" sand.

CLEAN UP

Water may be used to clean TA-300 S/M from tools and equipment prior to drying. If dried, use a suitable solvent.

PACKAGING

53 gallon drum, 5 gallon pail.

continued

PRECAUTIONS

TA-300 S/M shall not be applied during or when rain is imminent.
Application temperature shall be 50 degrees f. and rising.
Keep away from children
Protect from freezing

TA-300 S/M CRACKFILLER APPROX. COVERAGE PER 5 GALLON PAIL

inches	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
1/4	1200	600	375	300	240	200	172	150
1/2	600	315	200	150	120	100	86	75
3/4	375	200	137	100	81	67	59	51
1	300	150	100	75	61	51	44	39
1 1/4	240	120	81	61	49	41	35	31
1 1/2	200	100	67	51	41	34	29	26
1 3/4	172	86	59	44	35	29	25	22
2	150	75	51	39	31	26	22	19