

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 POLY-KOTE TA-1000
CHEMICAL FAMILY HYDROCARBON	FORMULA

SECTION 11 - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
ASPHALT	20		BASE METAL		
SILICIOUS MATERIAL	35		ALLOYS		
CELLULOSE	<5		METALLIC COATINGS		
ACRYLIC CO POLYMER	<5		FILLER METAL PLUS COATING OR CORE FLUX		
WATER	<40		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)	1.2
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 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.)					

(CONTINUED ON REVERSE SIDE)

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 V1 - 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 V11 - 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 V111 - 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 V111 - 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
POLY-KOTE TA-1000[®]

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

COMPOSITION

Poly-Kote TA-1000 is a special blend of asphalt emulsion, mineral fillers, fiber, and polymer for use on parking lots, driveways, playgrounds, tennis courts, and other asphalt surfaces. Poly-Kote TA-1000 is formulated to fill voids, provide a smoother black surface, and protect asphalt surfaces from possible water damage.

POLY-KOTE TA-1000 CONTAINS NO ASBESTOS OR COAL TAR

PHYSICAL PROPERTIES

Poly-Kote TA-1000 meets or exceeds the following specifications:

Penetration of base asphalt	40 pen. max.	ASTM D-5
Residue at 300-400 degrees f.	55-65 %	
Cone Penetration at 77 degrees f.	400-750 dmm	ASTM D-217
Density; lbs. per gallon at 60 degrees f.	10-11	
Color (cured film)	DEEP BLACK	

SURFACE PREPARATION

Brooms, power blowers, and/or water jet shall be used to clean surface of all dirt, sand, and other loose debris. Gas, grease, and oil spots shall be cleaned by scrapers, and/or suitable detergents. Prime contaminated areas with Oil-Seal TA-100 prior to application of Poly-Kote TA-1000. Remove all vegetation from cracks, curbs, gutters, and apply an appropriate weed killer. Fill cracks 1/4" or larger with Crackfiller TA-300 S/M. Remove and Replace damaged asphalt using "Hot-Mix" asphalt concrete. On surfaces that are excessively rough or dusted, a Prime Coat consisting of 1-part SS-1H and 4-parts water shall be applied at a rate of .05-.10 gallons per square yard.

APPLICATION

Poly-Kote TA-1000 shall be mixed to a uniform consistency using potable water (not to exceed 20% by volume) to obtain a semi-fluid, and free flowing consistency. Poly-Kote TA-1000 shall be applied evenly and uniformly in parallel lines, and spread immediately by use of brooms, squeegees, or mechanical applicators. (Poly-Kote TA-1000 can be spray applied with appropriate equipment) Two or more applications may be required depending on surface conditions, or desired results. Allow first coat to dry completely before applying the second coat. For best results in "hot" weather dampen the surface with water prior to the first application of Poly-Kote TA-1000. The second application of Poly-Kote TA-1000 may be applied when normal walking and/or mechanical application equipment will not "scuff" the surface. For increased "filling capacity" and "toughness" add 1-5 lbs. silica sand as well as 1-5% TA-200 to each gallon of Poly-Kote TA-1000. The final application of Poly-Kote TA-1000 may be applied with or without sand or latex depending on surface texture desired. (refer to mix design chart)

CONTINUED

MIX DESIGN

Mix materials in the following order, Poly-Kote TA-1000, water, sand, and Poly-Kote TA-200 additive, if applicable. The mix designs below are intended as a guideline for approved application practices. Actual may vary with temperature, humidity, surface conditions, and/or desired results.

SUGGESTED MIX DESIGNS

SURFACE	TA-1000 (GALS)	WATER (GALS)	SAND (POUNDS)	TA-200 (GALS)	TOTAL MIX (GALS)
SMOOTH	100	20	0	0-5	120-125
MEDIUM	100	20	100	1	126
ROUGH	100	25	300	3	143
VERY ROUGH	100	30	500	5	160

COVERAGE

The following rates are based on two applications of Poly-Kote TA-1000, prior to dilution. Rates will vary depending on surface conditions, and/or desired results.

SUGGESTED APPLICATION RATES

SURFACE	APPLICATION RATE PER 1000 SQUARE FEET
SMOOTH	20 GALLONS
MEDIUM	30 GALLONS
ROUGH	40 GALLONS
VERY	45 GALLONS

CURE TIME

Allow Poly-Kote TA-1000 to dry 24-hours prior to vehicle traffic. This will vary depending on weather conditions, temperature, application method/rates, and "shaded" areas.

CLEAN-UP

Water will remove Poly-Kote TA-1000 from tools, and equipment prior to drying. A suitable solvent is required to remove dried material.

PACKAGING

Poly-Kote TA-1000 is available in bulk, 53 gallon drum, or 5 gallon pail.

PRECAUTIONS

When sealing over **COAL TAR**, or when adhesion to a smooth surface is in doubt, apply a **TEST SAMPLE** and evaluate, or consult a Tri-American, Inc. representative.

Poly-Kote TA-1000 shall not be applied during, or when rain is imminent.

Air temperature shall be 50 degrees f. and rising, prior to application.

Do not store in temperatures exceeding 100 degrees f.

Protect containers from direct sunlight.

Keep away from children.

Protect from freezing.