

MATERIAL SAFETY DATA SHEET

SECTION 1

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| 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 ETHYLENE/VINYL ACETATE COPOLYMER | | TRADE NAME AND SYNONYMS POLY-KRETE TA-2000 |
| CHEMICAL FAMILY ETHYLENE/VINYL ACETATE COPOLYMER | | FORMULA |

SECTION 11 - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (UNITS) | ALLOYS AND METALLIC COATINGS | % | TLV (UNITS) |
|---|------|------------------|---|---|------------------|
| Vinyl Acetate Cas Number 108-05-4 | <0.5 | | BASE METAL | | |
| | | | ALLOYS | | |
| | | | METALLIC COATINGS | | |
| | | | 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) | 212 F | SPECIFIC GRAVITY (H2O-1) | 1.06 |
| VAPOR PRESSURE (MM HG.) | 17 (20 C) | PERCENT VOLATILE BY VOLUME (%) | 44% (WATER) |
| VAPOR DENSITY (AIR-1) | 0.62 | EVAPORATION RATE (_____-1) | 1 (WATER) |
| SOLUBILITY IN WATER | MISCIBLE | | |
| APPEARANCE AND ODOR | MILK WHITE AQUEOUS EMULSION, SWEET | | |

SECTION 1V - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|--------------------------------|-----|-----|
| FLASH POINT (METHOD USED) N/A | FLAMMABLE LIMITS N/A | LEI | UEI |
| EXTINGUISHING MEDIA WATER FOG, FOAM, ALCOHOL FOAM, CO2 OR DRY CHEMICAL | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS DRY POLYMER FILM WILL BURN. PRODUCT CONTAINS LOW LEVEL OF ORGANIC VOLATILES WHICH MAY BE EMITTED AT ELEVATED TEMPERATURES. | | | |

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE NOT AVAILABLE

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN: FLUSH WITH LARGE AMOUNTS OF WATER. USE SOAP IF AVAILABLE.

INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION: IF SWALLOWED, INDUCE VOMITING. SEEK MEDICAL ATTENTION.

SECTION VI - REACTIVITY DATA

| | | | |
|-----------|----------|----|---------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | XX | |

INCOMPATIBILITY (MATERIALS TO AVOID) SUBSTANCES WHICH REACT WITH WATER

HAZARDOUS DECOMPOSITION PRODUCTS STABLE UNDER NORMAL TEMPERATURE AND PRESSURE. PRODUCT CONTAINS LOW LEVEL OF ORGANIC VOLATILES WHICH MAY BE RELEASED IN APPLICATION

| | | | |
|-----------------------------|----------------|----|---------------------|
| 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 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, EXPRESSED OR IMPLIED, AND THE PERSON RECEIVING THEM SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY THEREOF FOR HIS PARTICULAR PURPOSE.



TRI - AMERICAN, INC.

Manufacturer of
ASPHALT PROTECTION PRODUCTS

TECHNICAL BULLETIN
POLY-KRETE TA-2000

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

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

COMPOSITION

POLY-KRETE TA-2000 is a specially blended ethylene/vinyl acetate copolymer emulsion designed to modify our blend of Portland Concrete Cement and sand. When applied to our specifications, TA-2000 offers superior adhesion to permanently repair and/or resurface virtually any sound, stable substrate.

SURFACE PREPARATION

Surface area being resurfaced must be free of any contaminants such as fuel, grease, or oil spots. Proper preparation may be accomplished by means of pressure washing, sand blasting, light surface grinding, or acid etch. To repair cracks, they must first be thoroughly cleaned of any foreign debris. A "dry mix" of TA-2000 may then be applied by trowel to surface level and allowed to cure. A hairline crack may reappear in time!

MIXING

Mix TA-2000 thoroughly before adding to the proper proportions of "dry mix". Once TA-2000 is introduced to the dry mix, the batch must be mixed by means of a drill and paddle blade for small jobs, or any type mortar mixer with a mechanical mixer for larger jobs, for one to three minutes, depending on the size of the batch. A typical batch consists of Four (4) fifty (50 lb.) pound sacks of dry mix, (base or finish) and one (1) five (5) gallon pail of TA-2000.

APPLICATION

For to applying Poly-Krete TA-2000, a prime coat diluted two (2) parts TA-2000 and one (1) part water may be applied by spray, roller, etc. to the area to be resurfaced. **DO NOT ALLOW TO DRY!** Immediately begin application of Poly-Krete TA-2000. Application may be by squeegee, trowel, straight edge, or spray. Allow a minimum of two (2) hours between coats. Do not apply the second coat until the first coat has cured sufficiently so as to not scuff or damage the first coat. Always apply two (2) coats for best results. A variety of finishes may be attained; broom, trowel, knock down trowel, swirl trowel, squeegee, or spatter. For adding color pigments or performing stencil patterns, consult a Tri-American, Inc. representative.

COVERAGE

Depends on existing surface texture being resurfaced. For smooth surfaces, TA-2000 applied by means of a hand squeegee will cover approximately five hundred (500) square feet per coat. TA-2000 applied by means of spray equipment could yield a slightly higher coverage rate. For "deep lift repairs", consult a Tri-American, Inc. representative.

CLEAN UP

Water can be used to clean TA-2000 from tools and equipment prior to drying. Use a scraper or wire brush to remove dried product.

PACKAGING

TA-2000 is available in 55 gallon drums, or 5 gallon pails.
Dry mix is available in 50 lb. sacks.

PRECAUTIONS

Air temperature shall be 40 degrees f. and rising, prior to application.
TA-2000 shall not be applied during, or when rain is imminent.
Do not store in temperatures exceeding 100 degrees f.
Protect containers from direct sunlight.
Keep away from children. Protect from freezing.