

EVERGRIP BITUMINOUS MARKER ADHESIVE



MATERIAL SAFETY DATA SHEET

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NFPA HAZARD IDENTIFICATION	DEGREE OF HAZARD	HAZARD RATINGS
	HEALTH: 1 FIRE: 1 REACTIVITY: 0	0= LEAST 1= SLIGHT 2= MODERATE 3= HIGH 4= EXTREME

SECTION 1 - COMPONENT DATA	
PRODUCT NAME	EVERGRIP BITUMINOUS MARKER ADHESIVE
CHEMICAL NAME	PETROLEUM ASPHALT (BITUMEN)
CHEMICAL FAMILY	PETROLEUM HYDROCARBON

SECTION 2 - PHYSICAL DATA	
BOILING POINT, °F:	>900
SPECIFIC GRAVITY:	1.20 - 1.35
VAPOR PRESSURE (MM HG):	*ND
MELTING POINT, °F:	320+
SOLUBILITY IN WATER:	NEGLIGIBLE
VAPOR DENSITY (AIR=1):	*ND
EVAPORATION RATE (N-BUTYL) ACETATE =1):	*ND
PH:	NEUTRAL
APPEARANCE AND ODOR:	BLACK SOLID. ASPHALT ODOR.

HAZARDOUS INGREDIENTS		
COMPONENT	CAS NUMBER	PERCENT
ASPHALT	8052-42-4	55-70
ASPHALT	8052-42-4	30-60

SECTION 3 - FIRE AND EXPLOSION HAZARDS	
FLASH POINT AND METHOD:	>550 °F (TCC)
FLAMMABLE LIMITS: % VOLUME IN AIR	LOWER: *ND UPPER: *ND
EXTINGUISHING MEDIA	DRY CHEMICAL OR FOAM PREFERRED. WATER FOG MAY BE USED ON FLAT SURFACES SUCH AS ROADS.
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS	MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARD	DO NOT HEAT ABOVE FLASH POINT. SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC: MAY BE RELEASED UPON COMBUSTION. H ₂ S VAPORS ARE HEAVIER THAN AIR, MAY ACCUMULATE IN LOW AREAS AND TRAVEL ALONG THE GROUND TO A REMOTE IGNITION SOURCE; IF IGNITED WILL FLASH BACK TO ORIGINAL CONTAINER.

*NA=NOT APPLICABLE **ND=NOT DETERMINED



SECTION 4 - REACTIVITY DATA	
STABILITY:	STABLE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS AND MATERIALS TO AVOID	UNDDER NORMAL CONDITION, PRODUCT IS STABLE.
HAZARDOUS DECOMPOSITION PRODUCTS	THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID, PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE, HYDROGEN SULFIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

SECTION 5 - HEALTH HAZARD DATA				
THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATIONS STANDARD (29 CFR 1910.1200)				
EYE CONTACT	BASED ON ESSENTIALLY SIMILAR PRODUCT TESTING, PRODUCT IS PRESUMED TO BE MINIMALLY IRRITATING TO THE EYES. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS.			
SKIN CONTACT	BASED ON ESSENTIALLY SIMILAR PRODUCT TESTING, PRODUCT IS PRESUMED TO BE MINIMALLY IRRITATING TO THE SKIN. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS.			
INHALATION	VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT, HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM DEPRESSION.			
SIGNS AND SYMPTOMS OF OVEREXPOSURE	IRRITATION AS NOTED ABOVE. EARLY TO MODERATE CNS (CENTRAL NERVOUS SYSTEM) DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA.			
AGGRAVATED MEDICAL CONDITIONS	PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.			
HAZARDOUS INGREDIENT: ASPHALT	CARCINOGENICITY			
NTP LISTED	NO			
IARC LISTED	NO			
OSHA REGULATED	NO			
OCCUPATIONAL EXPOSURE LIMITS:				
	OSHA		ACGIH	
COMPONENT	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL
ASPHALT			5 Mg/M ³	

SECTION 6 - EMERGENCY AND FIRST AID PROCEDURES	
EYE CONTACT	FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN CONTACT	IF HOT ASPHALT STRIKES THE SKIN, DRENCH OR IMMERSE THE AREA IN WATER TO ASSIST COOLING. IF AVAILABLE, APPLY ICED WATER OR ICE PACKS TO THE BURNED AREA. (DO NOT USE ICED WATER OR COLD PACKS IF THE BURNED AREA COVERS MORE THAN 10% OF THE BODY, AS THIS MAY CONTRIBUTE TO SHOCK.) DO NOT TRY TO REMOVE ASPHALT FROM A BURN AFTER IT HAS COOLED. SEEK MEDICAL ATTENTION. IF COOL ASPHALT CONTACTS THE SKIN, WASH THE AREA WITH HOT SOAPY WATER. USE OF A WATERLESS HAND CLEANER WILL HELP TO REMOVE THE ASPHALT.

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INHALATION	REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. BE AWARE THAT H ₂ S MAY BE PRESENT IF VICTIM IS UNCONSCIOUS. USE BREATHING PROTECTION BEFORE REMOVING VICTIM TO FRESH AIR. GET MEDICAL ATTENTION.
INGESTION	DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

SECTION 7 - PERSONAL HEALTH PROTECTION INFORMATION	
PROTECTIVE CLOTHING	AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES, GLOVES, APRON AND OTHER PROTECTIVE CLOTHING AS REQUIRED TO PREVENT CONTACT. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.
RESPIRATORY PROTECTION	AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH/MSHA APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.
ADDITIONAL PROTECTIVE MEASURES	USE IN A WELL VENTILATED AREA TO CONTROL VAPOR CONCENTRATION. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA, THEN LAUNDRER BEFORE REUSING.

SECTION 8 - SPILL, LEAK & DISPOSAL PROCEDURES	
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	MAY BURN, ALTHOUGH NOT READILY IGNITABLE. WEAR PROTECTIVE CLOTHING AS APPROPRIATE. DISPOSE OF PROPERLY.
WASTE DISPOSAL METHOD	ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

SECTION 9 - SPECIAL PRECAUTIONS/ADDITIONAL INFORMATION	
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. LAUNDRER 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.	
D.O.T. CLASSIFICATION:	NOT REGULATED
D.O.T. PROPER SHIPPING NAME:	POLYMER MODIFIED CONCRETE JOINT SEALANT
OTHER REQUIREMENTS:	NONE
THE COMPONENTS OF THE PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.	

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, MARTIN ASPHALT COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. THIS INFORMATION AND PRODUCT IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING THEM SHALL MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY OF THE PRODUCT FOR THEIR PARTICULAR PURPOSE AND ON THE CONDITION THAT THEY ASSUME THE RISK OF USE THEREOF.

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