

MATERIAL SAFETY DATA SHEET

REV. DATE 3/17/2010

QUICK IDENTIFIER: PIPE COATING DIP
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SECTION 1 - IDENTIFY

TRADE NAME AND SYNONYMS: SAPC - 100
C.A.S. NUMBER: NONE, MIXTURE
CHEMICAL NAME: SYNTHETIC ASPHALT
CHEMICAL FAMILY: PETROLEUM HYDROCARBON
FORMULA: VARIABLE MIXTURE

SECTION 2 - HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENTS (CHEMICAL & COMMON NAMES)	%	THRESHOLD LIMIT VALUE (UNITS)
CONTAINS NO HAZARDOUS SARA INGREDIENTS		
ASPHALT, PETROLEUM	85 - 100	5.00 mg/m ³
SYNTHETIC WETTING AGENTS	0 - 10	
ODOR CONTROL	0 - 5	

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: 2 n/a **SPECIFIC GRAVITY (H20-1.00):** 97 - 1.02
VAPOR PRESSURE (mmHG): N/D **VAPOR DENSITY (AIR @ 1):** > 1
PERCENT VOLATILE BY VOLUME: 0 **EVAP. RATE (H20 = 1.00):** 1
APPEARANCE AND ODOR: HIGH VISCOSITY, SMOOTH BLACK LIQUID, SLIGHT ODOR

SECTION 4 - FIRE AND EXPLOSION

FLASH POINT: 625°F **AUTO IGNITION TEMP:** N/A
FLAMMABLE LIMITS IN AIR % BY VOLUME: **LOWER:** N/A **UPPER:** N/A
EXTINGUISHER MEDIA: ASPHALT STATE: SMALL FIRES, USE DRY CHEMICAL. CO2, HALON, WATER SPRAY OR STANDARD FOAM. LARGE FIRES USE WATER SPRAY, FOG OR STANDARD FOAM.
(1987 EMERGENCY RESPONSE GUIDEBOOK, D.O.T. P5800.4 GUIDE NO. 27)
SPECIAL FIRE FIGHTING PROCEDURES: ASPHALT STATE: MOVE VESSEL FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. COOL CONTAINERS THAT ARE EXPOSED TO FLAMES WITH WATER FROM THE SIDE UNTIL WELL AFTER THE FIRE IS OUT. STAY AWAY FROM ENDS OF TANK. FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN. WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.
(1987 EMERGENCY RESPONSE GUIDEBOOK D.O.T. P5800.4 GUIDE NO. 27)

SECTION 5 - PHYSICAL HAZARDS

MATERIAL IS: STABLE
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): NONE
HAZARDOUS POLYMERIZATION WILL: NOT OCCUR

SECTION 6 - HEALTH HAZARDS

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN.
IN COOL STATE ASPHALT EMULSIONS HAVE NOT BEEN FOUND TO BE CARCINOGENS.
NAT. TOXICOLOGY PROGRAM NO
OSHA YES
I.A.R.C. *UNDETERMINED

OSHA PERMISSIBLE EXPOSURE LIMIT: (ASPHALT FUMES: 5mg/m3 MAX CEILING)

ACGIH THRESHOLD LIMIT VALUE: (ASPHALT FUMES: 5mg/m3 TWA)

OTHER EXPOSURE LIMIT USED: NONE

ROUTES OF EXPOSURE: PRIMARY - SHIN CONTACT
SECONDARY - INGESTION OR INHALATION

SIGNS AND SYMPTOMS OF EXPOSURE: SKIN - CONTACT WITH HOT PRODUCT MAY CAUSE THERMAL BURNS. PROLONGED OR REPEATED CONTACT WITH COOL PRODUCT MAY CAUSE IRRITATION.

INGESTION - ASPHALT MAY CAUSE NAUSEA AND IRRITATION OF GASTROINTESTINAL TRACT.

INHALATION - EXCESSIVE EXPOSURE TO FUMES, VAPORS OR MISTS MAY CAUSE SOME RESPIRATORY DISCOMFORT OF THE MUCOUS MEMBRANES. ASPHALT, WHEN HEATED, RELEASES VARIOUS CONCENTRATIONS OF HYDROGEN SULFIDE (H₂S) GAS. H₂S IS AN EXTREMELY TOXIC AND FLAMMABLE GAS THAT AT LOW CONCENTRATIONS IS IRRITATING TO THE RESPIRATORY TRACT AND HAS A ROTTEN EGG ODOR. ODOR CAN NOT BE RELIED ON AS A MEANS OF DETECTION BECAUSE AT HIGHER CONCENTRATIONS OF 500 - 1000 ppm MAY LEAD TO UNCONSCIOUS, RESPIRATORY PARALYSIS AND DEATH.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION - IF OVEREXPOSURE OCCURS, REMOVE INDIVIDUAL TO FRESH AIR. IF DISCOMFORT CONTINUES, SEEK MEDICAL ATTENTION.

EYES - FLUSH EYES IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER AT LEAST 15 MINUTES OCCASIONALLY LIFTING THE UPPER AND LOWER EYE LIDS. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN - HOT PRODUCT SHOULD BE COOLED WITH WATER. CLEAN SKIN WATERLESS TYPE HAND CLEANER FOLLOWED BY SOAP AND WATER. IF IRRITATION OR BURN DEVELOPS, SEEK MEDICAL ATTENTION. COOL PRODUCT MAY BE CLEANED WITH WATER-LESS TYPE HAND CLEANER.

INGESTION - IF MATERIAL IS SWALLOWED, DO NOT INDUCE VOMITING. TREAT SYMPTOMATICALLY AND GET MEDICAL ATTENTION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

SECTION 7 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NORMALLY NOT NEEDED, BUT IF CONDITIONS WARRANT USE ORGANIC VAPOR RESPIRATORS.

VENTILATION LOCAL EXHAUST: AS NEEDED TO REMOVE MISTS OR VAPORS.

PROTECTIVE GLOVES: IMPERVIOUS COATING

EYE PROTECTION: CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: APPROPRIATE CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT WITH SKIN.

SECTION 8 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID HEATED PRODUCT FUMES

OTHER PRECAUTIONS: OBSERVE GOOD PERSONAL HYGIENE. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE. DO NOT WEAR LEATHER SHOES OR BOOTS THAT HAVE BECOME SATURATED WITH PRODUCT.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CREATE DIKES OR PONDS AS SOON AS POSSIBLE. USE EARTH, SAWDUST OR SAND TO MAKE DIKES OR TO USE AS ABSORBENT. UPON ABSORPTION, MATERIAL WILL REVERT TO ASPHALT STATE AND CAN BE REMOVED WITH ABSORPTION MATERIAL.

WASTE DISPOSAL METHODS: EMULSION CAN BE MIXED WITH ANY STABILIZING MATTER (e.g., ROCK, GRAVEL OR SAND) IN ORDER TO CHANGE ITS STATE FROM A LIQUID INTO A SOLID. THIS MATERIAL CAN THEN BE DISPOSED OF AT AN APPROVED LANDFILL.

EXPLANATION OF ABBREVIATIONS:

N/D -	NOT DETERMINED
N/A -	NOT APPLICABLE
TLV -	THRESHOLD LIMIT VALUE
TWA -	TIME WEIGHTED AVERAGE

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