

# MC-800

## MATERIAL SAFETY DATA SHEET



Manufacturer's Name: Martin Asphalt Company	Date: January, 2007
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NFPA HAZARD IDENTIFICATION	DEGREE OF HAZARD	HAZARD RATINGS
	HEALTH: 1 FIRE: 2 REACTIVITY: 0 PPE: B	0= LEAST 1= SLIGHT 2= MODERATE 3= HIGH 4= EXTREME

SECTION 1 - COMPONENT DATA	
PRODUCT NAME	MC-800
CHEMICAL NAME	ASPHALT CUTBACK
CHEMICAL FAMILY	PETROLEUM ASPHALT / PETROLEUM SOLVENT BLEND

SECTION 2 - PHYSICAL DATA	
BOILING POINT, °F:	300 - 900
SPECIFIC GRAVITY:	0.90 - 0.99
VAPOR PRESSURE (MM HG):	*ND
MELTING POINT, °F:	*ND
SOLUBILITY IN WATER:	NEGLIGIBLE
VAPOR DENSITY (AIR=1):	4-7
EVAPORATION RATE (N-BUTYL) ACETATE =1):	<0.1
PH:	NEUTRAL
APPEARANCE AND ODOR:	BLACK VISCOUS LIQUID, ODOR CHARACTERISTIC OF PETROLEUM SOLVENT.

HAZARDOUS INGREDIENTS		
COMPONENT	CAS NUMBER	PERCENT
ASPHALT	8052-42-4	70-90
DIESEL	68476-30-2	1-15
KEROSENE	8008-20-6	5-20

SECTION 3 - FIRE AND EXPLOSION HAZARDS	
FLASH POINT AND METHOD:	160-180 °F (TCC)
FLAMMABLE LIMITS: % VOLUME IN AIR	LOWER: 0-7 UPPER: 5.0
EXTINGUISHING MEDIA	USE WATER FOG, FOAM, DRY CHEMICAL OR CO <sub>2</sub> . DO NOT USE DIRECT STREAM OF WATER.
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS	CAUTION. FLAMMABLE. DO NOT ENTER CONFINED SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

\*NA=NOT APPLICABLE \*\*ND=NOT DETERMINED



UNUSUAL FIRE AND EXPLOSION HAZARD	CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.
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SECTION 4 - REACTIVITY DATA	
STABILITY:	STABLE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS AND MATERIALS TO AVOID	AVOID HEAT, FLAME, AND CONTACT WITH STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING 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	LIQUID IS IRRITATING TO THE EYES. HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING.				
SKIN CONTACT	LIQUID IS SLIGHTLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.				
INHALATION	VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT, HIGH VAPOR CONCENTRATIONS MAY RESULT IN CNS DEPRESSION.				
INGESTION	INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.				
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	YES				
OSHA REGULATED	NO				
OCCUPATIONAL EXPOSURE LIMITS:					
	OSHA	ACGIH			
COMPONENT	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	OTHER
ASPHALT			5 mg/M <sup>3</sup>		
DIESEL	100 ppm		100 ppm		
KEROSENE	100 ppm		100 ppm		

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	REMOVE CONTAMINATED CLOTHING/SHOES. WASH THE AREA WITH HOT SOAPY WATER. USE OF A WATERLESS HAND CLEANER WILL HELP REMOVE PRODUCT. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

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INHALATION	REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
INGESTION	DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION.

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	CONSULT HEALTH HAZARD DATA IN SECTION 5, PERSONAL HEALTH PROTECTION INFORMATION IN SECTION 7, FIRE & EXPLOSION DATA IN SECTION 3, AND REACTIVITY DATA IN SECTION 4. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. ELIMINATE POSSIBLE SOURCES OF IGNITION. VENTILATE AREA. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE EQUIPMENT. DIKE AND CONTAIN. ABSORB WITH AN INERT MATERIAL OR APPROPRIATE ABSORBENT. PLACE IN NON-LEAKING CONTAINER AND SEAL TIGHTLY FOR PROPER DISPOSAL.
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	
USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR/DUST/MIST. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. STORE AWAY FROM SOURCES OF IGNITION. TIGHTLY RESEAL ALL PARTIALLY USED CONTAINERS. KEEP OUT OF REACH OF CHILDREN.	
D.O.T. CLASSIFICATION:	CLASS 3, PG III
D.O.T. PROPER SHIPPING NAME:	TARS, LIQUID (ASPHALT CUTBACK)
OTHER REQUIREMENTS:	UN1999
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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