



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
1875 DREW ROAD
MISSISSAUGA, ONTARIO
L5S 1J5
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666
"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION:

MATERIAL REFERENCE NO: 104800

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEM ASPHALT RELEASE AGENT	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: VEGETABLE OILS
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: RELEASE AGENT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
NOT CONTROLLED UNDER WHMIS				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: LIGHT AMBER, TYPICAL ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 0.093	VAPOUR PRESSURE (MM) 760 at 100 (C)
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE (WATER =1) ~1	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) 340	FREEZING POINT (C) APPROX. -19	% VOLATILE (BY WEIGHT)
pH (100% SOLUTION) NOT APPLICABLE	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: MINIMUM 100 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, SULPHUR AND			
NITROGEN.			
UPPER EXPLOSION LIMIT			
NOT APPLICABLE			
LOWER EXPLOSION LIMIT			
NOT APPLICABLE			
AUTOIGNITION TEMP(C)			
NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY			
TO CHEMICAL IMPACT			
NOT AVAILABLE			
RATE OF BURNING			
NOT APPLICABLE			
EXPLOSIVE POWER			
NOT AVAILABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS, STRONG OXIDIZING AND REDUCING			
AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN GIVE			
OXIDES OF CARBON, SULPHUR AND NITROGEN.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: NO			
SKIN ABSORPTION: NO			
EYE CONTACT: YES			
INHALATION: NO			
INGESTION: YES			



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT MAY CAUSE IRRITATION, WATERING.
SKIN-PROLONGED CONTACT CAN CAUSE IRRITATION, DRYING OF SKIN.
INGESTION-MAY CAUSE IRRITATION OF MOUTH AND THROAT, NAUSEA AND VOMITING.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
PROLONGED OR REPEATED CONACT WITH SKIN MAY CAUSE DRYING, ITCHING, DERMATITIS.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL LOW
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: NONE FOR NORMAL USE. IMPERVIOUS WHEN HANDLING CONCENTRATE.
RESPIRATORY: NONE FOR NORMAL USE.
EYE: GOGGLES
FOOTWEAR: NO SPECIAL REQUIREMENTS
CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NO SPECIAL REQUIREMENTS FOR NORMAL USE.

LEAK AND SPILL PROCEDURE: SMALL SPILLS-FLUSH TO SEWER WITH VOLUMES OF WATER.
LARGE SPILLS-CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBENT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL TO SEWER WITH VOLUMES OF WATER.

WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES
EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE.
SKIN-FLUSH THOROUGHLY WITH RUNNING WATER. REMOVE AND LAUNDER CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.
SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS
ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
NOT REGULATED			
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING.			
SPECIAL SHIPPING INFORMATION: HEATED			

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY : TECHNICAL DEPARTMENT. PHONE (905) 456-9444
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