



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5
TEL# (905) 456-9444

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

W.H.M.I.S. CLASSIFICATION: D2B

MATERIAL REFERENCE NO: 501700

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET KOIL KLEEN
CHEMICAL NAME : BLEND CHEMICAL FAMILY :MIXTURE
CHEMICAL FORMULA: NOT APPLICABLE MOLECULAR WEIGHT: NOT APPLICABLE
SYNOMYS: MIXED DETERGENTS - SURFACTANTS
MATERIAL USE: Coil cleaning, degreasing & deodorizing.

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
DIPROPYLENE GLYCOL	1.0-5.0	NOT AVAILABLE	34590-94-8	5 GM/KG
METHYL ETHER				
SODIUM SILICATE	1.0-5.0	NOT AVAILABLE	6834-92-0	50 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: ORANGE LIQUID, TANGERINE ODOUR		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.09 AT 16 (C)	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT APPLICABLE	EVAPORATION RATE NOT APPLICABLE	SOLUBILITY IN WATER (20 ° C) SOLUBLE
BOILING POINT (C) INITIAL @ 100	FREEZING POINT (C) 0	% VOLATILE (BY WEIGHT) > 80.0 %
pH (100% SOLUTION) 11.5	DENSITY (G/ML) 1.090	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: WATER FOG, CO ₂ , FOAM.		
SPECIAL PROCEDURES: AS FOR PER SURROUNDING MATERIALS		
FLASH POINT (C) AND METHOD: NON COMBUSTIBLE		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.		
UPPER EXPLOSION LIMIT NONE	LOWER EXPLOSION LIMIT NONE	AUTOIGNITION TEMP(C) NOT AVAILABLE
EXPLOSION DATA SENSITIVITY TO CHEMICAL IMPACT NONE	RATE OF BURNING NOT AVAILABLE	EXPLOSIVE POWER NONE
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE		

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE	IF NO, UNDER WHICH CONDITIONS:	
INCOMPATIBILITY TO OTHER SUBSTANCES: YES	IF SO, WHICH ONES: STRONG OXIDIZERS & ACIDIC PRODUCTS	
REACTIVITY AND UNDER WHAT CONDITIONS: AS FOR INCOMPATIBLE SUBSTANCES.		
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,		

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:		
SKIN CONTACT: YES INHALATION: YES	SKIN ABSORPTION: YES INGESTION: YES	EYE CONTACT: YES

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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES-MAY CAUSE IRRITATION.

SKIN-MAY CAUSE IRRITATION.

INGESTION-MAY CAUSE NAUSEA, VOMITING, IRRITATION OF GASTROINTESTINAL TRACT.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

MAY CAUSE DRYING OF SKIN.

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	MILD

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NONE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: BUTYL RUBBER, NEOPRENE, POLYETHYLENE

RESPIRATORY: VAPOUR MASK IF MISTING OCCURS

EYE: FACE SHIELD OR GLASSES

FOOTWEAR: NO SPECIAL REQUIREMENTS

CLOTHING: NO SPECIAL REQUIREMENTS

OTHER: EYE WASH AND SAFETY SHOWER.

ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): USE WITH ADEQUATE VENTILATION.

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING RESIDUE ONTO INERT ABSORBENT AND PLACE IN DISPOSAL CONTAINER. FLUSH FLOOR WITH LARGE VOLUME OF WATER. RESIDUE MAY RESULT IN SLIPPERY SURFACE.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:

EYES - FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
SKIN - WASH THOROUGHLY WITH SOAP AND WATER. REMOVE AND LAUNDER CONTAMINATED CLOTHING. CALL A PHYSICIAN IF IRRITATION PERSISTS
INGESTION - DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK MILK OR WATER. GET MEDICAL ASSISTANCE.

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: WASH THOROUGHLY AFTER HANDLING.
DO NOT GET IN EYES OR ON CLOTHING.

STORAGE REQUIREMENTS: KEEP FROM FREEZING. KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE AWAY FROM INCOMPATIBLE MATERIALS.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - H.M.I.S. HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: DECEMBER 14, 2002

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