



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: NOT CONTROLLED

MATERIAL REFERENCE NO: 145500

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: HYDRAKEM 1040	
CHEMICAL NAME: LUBRICATING OIL	CHEMICAL FAMILY: HYDROCARBONS
CHEMICAL FORMULA: NOT APPLICABLE MOLECULAR WEIGHT: NOT APPLICABLE	
SYNONYMS: NONE	
MATERIAL USE: MULTI-FUNCTIONAL HYDRAULIC OIL	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

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

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: AMBER OIL; BLAND ODOUR.		
ODOUR THRESHOLD (PPM) 5 MG/M3 FOR MINERAL OIL	SPECIFIC GRAVITY 0.88 AT 16 (C)	VAPOUR PRESSURE (MM) NOT APPLICABLE
VAPOUR DENSITY (AIR=1) NOT APPLICABLE	EVAPORATION RATE NOT APPLICABLE	SOLUBILITY IN WATER (20 ø C) NIL
BOILING POINT (C) 371	FREEZING POINT (C) -1.1	% VOLATILE (BY VOLUME) 0
pH 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: WATER FOG, CO2, DRY CHEMICAL, EARTH, SAND, FOAM			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. WATER MAY CAUSE FROTHING.			
FLASH POINT (C) AND METHOD: 204 (D-92)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND SULPHUR, VARIOUS			
HYDROCARBONS.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NONE NONE 232			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NONE NOT AVAILABLE NONE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS: AVOID OPEN FLAMES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZERS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE.			
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND SULPHUR.			

SECTION VI - HEALTH HAZARD DATA

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



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| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: THIS PRODUCT HAS BEEN USED |
| FOR SEVERAL YEARS WITH NO KNOWN ILL EFFECTS. |
| EYES - MAY CAUSE MILD TRANSIENT IRRITATION. |
| SKIN - MAY CAUSE MILD TRANSIENT IRRITATION. |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: NONE KNOWN |

| 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: |
| THIS PRODUCT CONTAINS NO KNOWN CARCINOGENS OR MUTAGENS AS DEFINED |
| BY OSHA OR IARC. |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: NEOPRENE, POLYETHYLENE, NITRILE |
| RESPIRATORY: NOT REQUIRED |
| EYE: SAFETY 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 REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO SAND |
| OR INERT MATERIAL AND SCOOP UP AND PLACE IN SUITABLE CONTAINER FOR |
| DISPOSAL. |

| WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH 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 WHILE HOLDING	
EYELIDS OPEN. GET MEDICAL ATTENTION.	
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. REMOVE AND LAUNDER	
CONTAMINATED CLOTHING.	