

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) SPECIFIC GRAVITY VAPOUR PRESSURE (MM) 15 MG/M3 FOR MINERAL OIL 0.88 AT 16 (C) NOT APPLICABLE
VAPOUR DENSITY (AIR=1) EVAPORATION RATE SOLUBILITY IN WATER NOT APPLICABLE NOT APPLICABLE (20 ° C) NIL
BOILING POINT (C) FREEZING POINT (C) % VOLATILE (BY VOLUME) 371 -1.1 0
pH DENSITY (G/ML) COEF.OF WATER/OIL DISTR NOT APPLICABLE NOT APPLICABLE 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

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| INCOMPATIBILITY TO OTHER SUBSTANCES: YES

| IF SO, WHICH ONES: STRONG OXIDIZERS

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| REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE.

|

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| 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.