



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: 120400

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: DURAKEM MG-444	
CHEMICAL NAME: LUBRICATING GREASE	CHEMICAL FAMILY: HYDROCARBONS
CHEMICAL FORMULA: NOT APPLICABLE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: NON-MELT HEAVY DUTY MOLY GREASE	

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: SEMI-SOLID			
ODOUR AND APPEARANCE: GRAY SEMI-SOLID; BLAND ODOUR			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	0.92 AT 16 (C)	0.0	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
NOT APPLICABLE	NOT APPLICABLE	(20 ø C) NIL	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
371	– 6.7	0.0	
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, FOAM.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. WATER MAY CAUSE FROTHING. WATER JET			
MAY CAUSE FROTHING AND SPREAD FIRE.			
FLASH POINT (C) AND METHOD: 221			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
OXIDES OF SULPHUR, VARIOUS HYDROCARBONS, FUMES, SMOKE.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NONE	NONE	248.9	
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: OPEN FLAMES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZERS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
SULPHUR DIOXIDE.			

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:				
EYES - MAY CAUSE MILD IRRITATION.				
SKIN - MAY CAUSE MILD IRRITATION.				
INGESTION - MAY CAUSE NAUSEA, VOMITING, DIARRHEA.				
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:				
SKIN-PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS.				

SECTION VII – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:				
GLOVES: BUTYL RUBBER, NEOPRENE, POLYETHYLENE				
RESPIRATORY: NOT REQUIRED				
EYE: FACE SHIELD				
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: ABSORB WITH SAND OR INERT MATERIAL.				
SCOOP UP AND PLACE IN APPROPRIATE CONTAINER FOR DISPOSAL. WASH FLOOR				
WITH SOAP AND WATER TO REMOVE RESIDUAL PRODUCT.				
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 WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE AND LAUNDER CONTAMINATED CLOTHING.
INGESTION: DO NOT INDUCE VOMITING. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. 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: DO NOT GET IN EYES OR ON CLOTHING
WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM SPARKS OR OPEN FLAMES.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

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

FLAMMABILITY	REACTIVITY	HEALTH
1	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
EVIEWED: OCTOBER 1, 2009

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