



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: 111900

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: COILEX
CHEMICAL NAME: NOT APPLICABLE

 | CHEMICAL FORMULA: MIXTURE | MOLECULAR WEIGHT: NOT APPLICABLE |

SYNONYMS: NONE
MATERIAL USE: ALKALINE CLEANING COMPOUND

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
ALCOHOL ETHOXYLATE	10.0-30.0	NO DATA AVAILABLE	68131-39-5	2000 MG/KG
COCONUT DIETHANOL- AMIDE	1.0-5.0	NO DATA AVAILABLE	68603-42-9	2700 MG/KG
DIETHANOLAMINE	1.0-5.0	2 MG/M3	111-42-2	710 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: CLEAR, GREEN COLOUR; SLIGHT MINT ODOUR

ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.008	NOT AVAILABLE

VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
GREATER THAN 1	GREATER THAN 1	(20 ø C) COMPLETE

BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	82

pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
9.0-10.0	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, CHEMICAL FOAM, CARBON DIOXIDE		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-		
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED DRUMS WITH WATER.		
FLASH POINT (C) AND METHOD: NONE (TCC)		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,		
OXIDES OF NITROGEN, ACRID SMOKE, IRRITATING FUMES.		
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER		
TO CHEMICAL IMPACT		
NONE	NOT AVAILABLE	NOT AVAILABLE
SENSITIVITY TO STATIC DISCHARGE: NONE		

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE		
IF NO, UNDER WHICH CONDITIONS:		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES		
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS.		
REACTIVITY AND UNDER WHAT CONDITIONS: AVOID CONTAMINATION WITH		
REACTIVE SUBSTANCES.		
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE		
OFF CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, ACRID SMOKE		
IRRITATING FUMES.		

SECTION VI - HEALTH HAZARD DATA

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



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| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
 | EYES-CONTACT MAY CAUSE IRRITATION, POSSIBLE BURNS, INTENSE WATERING. |
 | SKIN- CONTACT MAY CAUSE IRRITATION, REDNESS. |
 | INHALATION-MAY CAUSE IRRITATION OF MUCOUS MEMBRANES, NOSE, EYES AND |
 | THROAT. |
 | INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING |
 | AND DIARRHEA. |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
 | SKIN-EXCESSIVE OR PROLONGED EXPOSURES MAY CAUSE DRYING, DERMATITIS. |
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LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	MODERATE

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |
 | NONE KNOWN |
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 | |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: IMPERVIOUS WHEN HANDLING CONCENTRATE |
 | RESPIRATORY: NOT NORMALLY REQUIRED |
 | EYE: FACE SHIELD OR SAFETY GOGGLES |
 | FOOTWEAR: NO SPECIAL REQUIREMENTS |
 | CLOTHING: NO SPECIAL REQUIREMENTS |
 | OTHER: EYE WASH AND SAFETY SHOWER |
 | ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
 | IS SUFFICIENT. |

| LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE |
 | CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |
 | SAND OR ABSORBENT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL |
 | WITH VOLUMES OF WATER. |

| WASTE DISPOSAL: |
 | DISPOSE OF IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL |
 | REGULATIONS. |
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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |

| EYES-FLUSH IMMEDIATELY WITH RUNNING WATER FOR AT LEAST 15 MINUTES, |

| WHILE HOLDING EYELIDS OPEN. IF PAIN OR IRRITATION PERSISTS, GET |

| MEDICAL ASSISTANCE. |

| SKIN-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. IF IRRITATION |

| PERSISTS GET MEDICAL ASSISTANCE. |

| INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GET |

| IMMEDIATE MEDICAL ATTENTION. |

| INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF |

| VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT |

| ASPIRATION OF MATERIAL INTO LUNGS. NEVER GIVE LIQUIDS BY MOUTH TO AN |

| UNCONSCIOUS OR CONVULSING 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
NON-REGULATED			

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND |

| PROLONGED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. |

| |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. KEEP CONTAINER |

| CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. |

| |

| SPECIAL SHIPPING INFORMATION: HEATED |

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	0	1

SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 |

| REVIEWED: OCTOBER 2, 2009 |

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