



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: 135000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: GENTLE	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: HAND DISHWASHING DETERGENT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
ALCOHOL ETHOXYLATE	5.0-10.0	NO DATA	68131-39-5	2000 MG/KG
ETHOXYLATE		AVAILABLE		
ALKYL BENZENE	7.0-13.0	NO DATA	68584-22-5	NO DATA
SULPHONIC ACID		AVAILABLE		
COCOAMIDE	5.0-10.0	3	68603-42-9	12400 µL/KG
DIETHANOLAMINE				
N,N-BIS(2-HYDROXY	1.0-5.0	NO DATA	61791-31-9	2700 MG/KG
ETHYL COCO AMIDES		AVAILABLE		
SODIUM HYDROXIDE	1.0-5.0	2 MG/M3	1310-73-5	500 MG/KG
				(ORAL LDLO RBT)

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID	
ODOUR AND APPEARANCE: OPAQUE, PINK LIQUID; LEMON ODOUR.	
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY
NOT AVAILABLE	1.040
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE
NOT AVAILABLE	(WATER =1) >1
SOLUBILITY IN WATER	
(20°C) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)
>100	APPROX. 0
% VOLATILE (BY WEIGHT)	
73	
pH (10% SOLUTION)	DENSITY (G/ML)
7.5-8.0	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: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: >100 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND SULPHUR,			
HYDROGEN SULPHIDE, OXIDES OF NITROGEN, ACRID SMOKE, 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			
NOT AVAILABLE NOT APPLICABLE NOT AVAILABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS, STRONG OXIDIZING AGENTS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN GIVE			
OXIDES OF CARBON AND SULPHUR, HYDROGEN SULPHIDE, OXIDES OF NITROGEN,			
ACRID SMOKE, FUMES.			

SECTION VI - HEALTH HAZARD DATA

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



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
|EYES-CONTACT CAN CAUSE MODERATE TO SEVERE IRRITATION, TEARING. |
|SKIN-IRRITATION OR DERMITITIS MAY OCCUR UPON REPEATED OR PROLONGED |
|CONTACT WITH CONCENTRATE. |
|INHALATION-BREATHING OF HIGH CONCENTRATIONS OF VAPOURS OR MIST MAY |
|CAUSE IRRITATION OF MUCOUS MEMBRANES, MOUTH, NOSE AND THROAT. |
|INGESTION-MAY CAUSE IRRITATION OF LIPS, MOUTH AND THROAT, NAUSEA, |
|VOMITING AND DIARRHEA. |
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|NO DATA |
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|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | LOW |

|SENSITIZATION OF MATERIAL |SYNERGISTIC MATERIALS |
| NOT AVAILABLE | NOT AVAILABLE |

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

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |
| |
| GLOVES: IMPERVIOUS WHEN HANDLING CONCENTRATE |
|RESPIRATORY: NOT NORMALLY REQUIRED |
| EYE: SAFETY GLASSES IF SPLASHING IS LIKELY |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE |
| REQUIRED. |

|LEAK AND SPILL PROCEDURE: SMALL SPILLS-FLUSH TO SEWER WITH VOLUMES |
|OF WATER. LARGE SPILLS-CONTAIN SPILL. PUMP TO SUITABLE CONTAINER FOR |
|REUSE OR DISPOSAL. FLUSH REMAINING RESIDUE TO SEWER WITH VOLUMES OF |
|WATER. |

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

| PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 |
| MINUTES WHILE HOLDING EYELIDS OPEN. IF IRRITATION OCCURS OR PERSIST, |
| SEEK MEDICAL ASSISTANCE. |
| SKIN-FLUSH THOROUGHLY WITH RUNNING WATER. IF IRRITATION OR REDNESS |
| OCCUR GET MEDICAL ASSISTANCE. |
| INHALATION-REMOVE TO FRESH AIR. GET MEDICAL ASSISTANCE IF SYMPTOMS |
| PERSIST. |
| INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. RINSE MOUTH WITH |
| WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING |
| PERSON. GET IMMEDIATE 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: AVOID CONTACT WITH EYES. RINSE |
| THOROUGHLY AFTER USE. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM |
| INCOMPATIBLES. KEEP CONTAINER CLOSED WHEN NOT IN USE. |
| KEEP FROM FREEZING. |

| SPECIAL SHIPPING INFORMATION: HEATED |

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 4, 2009	CC

DISCLAIMER:

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