



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: 142000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: H. G. CONCENTRATE	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: GENERAL PURPOSE CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. CONCENT.	TLV	C.A.S. NUMBERS	LD 50 (RAT-ORAL)
COCONUT SOAP	5.0-10.0	NOT	61789-30-8	NOT
		AVAILABLE		AVAILABLE
ISOPROPYL ALCOHOL	1.0-5.0	400	67-63-0	5130 Mg/Kg
DODECYBENZENE	1.0-5.0	NOT	2717-68-7	890 Mg/Kg
SULPHONIC ACID		AVAILABLE		
MODIFIED	5.0-10.0	NOT	MIXTURE	NOT
DIETHANOLAMIDE		AVAILABLE		AVAILABLE

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, YELLOW LIQUID, LEMON ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.030	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	(ETHER=1) LESS THAN 1	(20 ° C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
MINIMUM 100	NOT AVAILABLE	APPROXIMATELY 80
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
9.5 - 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: AS FOR SURROUNDING MATERIALS.			
FLASH POINT (C) AND METHOD: MINIMUM 100 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY			
TO CHEMICAL IMPACT			
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE			
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN			

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, STINGING OR BURNING SENSATION. |
|SKIN-CONTACT MAY CAUSE IRRITATION. |
|INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT. |
|INGESTION-MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH |
|AND THROAT, GASTRO-INTESTINAL IRRITATION, STOMACH CRAMPS, NAUSEA, |
|AND VOMITING. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|SKIN-IRRITATION OR DERMATITIS MAY OCCUR WITH PROLONGED CONTACT. |

|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: RUBBER OR VINYL FOR PROLONGED CONTACT WITH CONCENTRATE |
|RESPIRATORY: NOT NORMALLY REQUIRED |
| EYE: NOT NORMALLY REQUIRED. GOGGLES FOR HANDLING CONCENTRATE |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NATURAL IS |
| SUFFICIENT. |

|LEAK AND SPILL PROCEDURE: STOP LEAK AND CONTAIN SPILL. SMALL SPILLS |
|CAN BE FLUSHED TO SEWER WITH VOLUMES OF WATER. LARGE SPILLS-TRANSFER |
|TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. FLUSH REMAINING |
|RESIDUE WITH VOLUMES OF WATER. |

|WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL |
|AND FEDERAL REGULATIONS. |



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: EYES- IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. IF |
| IRRITATION PERSISTS, GET MEDICAL ATTENTION. |
| SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER |
| FOR 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. |
| INHALATION-MOVE VICTIM TO FRESH AIR. |
| INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE WATER, VINEGAR |
| AND WATER, OR FRUIT JUICE. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. |
| GET IMMEDIATE MEDICAL ATTENTION. |
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| 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 AND SKIN. |
| WASH THOROUGHLY AFTER HANDLING. |
| |

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

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