



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: 112600

SECTION I - MATERIAL IDENTIFICATION AND USE

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

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT	
SODIUM METASILICATE	1.0-5.0	NO DATA	6834-92-0	1153 MG/KG	
COCAMIDE	1.0-5.0	NO DATA	68603-42-9	12400 µL/KG	
DIETHANOLAMINE					
DIETHANOLAMIDE	1.0-5.0	NO DATA	111-42-2	620 µL/KG	
ETHOXYLATED ALCOHOL	5.0-10.0	NO DATA	68131-39-5	>2500 MG/KG	

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID				
ODOUR AND APPEARANCE: CLEAR, BLUE LIQUID; LIGHT FLORAL FRAGRANCE				
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)		
NOT AVAILABLE	1.01	NOT AVAILABLE		
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER		
NOT AVAILABLE	(WATER = 1) NO DATA	(20°C) COMPLETE		
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)		
>100	NOT AVAILABLE	77		
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR		
12.0-12.5	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: AS FOR SURROUNDING MATERIALS			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE TO BOILING (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROGEN AND SILICA			
ACRID SMOKE, IRRITATING FUMES.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NONE NONE NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPOSIVE POWER			
TO CHEMICAL IMPACT			
NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS AND OTHER REACTIVE MATERIALS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE			
OXIDES OF CARBON, NITROGEN AND SILICA, ACRID SMOKE, IRRITATING FUMES			

SECTION VI - HEALTH HAZARD DATA

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



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| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
| EYES-MAY CAUSE IRRITATION OR BURNS, AND POSSIBLE CORNEAL INJURY. |
| SKIN-MAY CAUSE MILD IRRITATION. |
| INHALATION-PROLONGED OR REPEATED BREATHING OF HIGHER CONCENTRATIONS |
| OF MISTS MAY CAUSE IRRITATION OF MUCOUS MEMBRANES, NOSE, EYES AND |
| THROAT. |
| INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING |
| AND DIARRHEA. |
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| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN RASH, 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 | LOW |

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

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

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: IMPERVIOUS WHEN HANDLING CONCENTRATE. |
| RESPIRATORY: NOT NORMALLY REQUIRED |
| EYE: SAFETY GLASSES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS |
| OTHER: EYE WASH AND SAFETY SHOWER |
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): GENERAL |
| VENTILATION TO MAINTAIN TLV WITHIN ACCEPTABLE LIMITS. |

| LEAK AND SPILL PROCEDURE: CONTAIN SPILL. SMALL SPILLS-FLUSH TO |
| SEWER WITH VOLUMES OF WATER. LARGE SPILLS-TRANSFER TO SUITABLE |
| CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |
| INERT ABSORBENT AND PLACE IN DISPOSAL CONTAINER. FLUSH RESIDUAL WITH |
| LARGE VOLUMES OF WATER. |

| 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 IF IRRITATION PERSISTS.
SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
INHALATION-REMOVE TO FRESH AIR.
INGESTION-DO NOT INDUCE VOMITING. NEVER GIVE LIQUIDS BY MOUTH TO AN UNCONSCIOUS OR CONVULSING VICTIM. CONTACT A PHYSICIAN IMMEDIATELY.

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 SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. 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	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 2, 2009

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