



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: D2A, D2B, E

MATERIAL REFERENCE NO: 724000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 240	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: HEATING/COOLING SYSTEM CORROSION INHIBITOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV MG/M3	C.A.S. NUMBERS	LD 50 ORAL
CAUSTIC SODA	3.0-7.0	2	1310-73-2	500 MG/KG
				(ORAL LDLo RBT)
SODIUM SULPHITE	1.0-5.0	NO DATA	7757-83-7	820 MG/KG
				(ORAL, MOUSE)

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID	
ODOUR AND APPEARANCE: PALE YELLOW COLOUR; MILD ACRID ODOUR.	
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY
NOT AVAILABLE	1.115
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE
>1	(WATER=1) <1
SOLUBILITY IN WATER	
(20 ° C) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)
< 100	NOT AVAILABLE
% VOLATILE (BY WEIGHT)	
>85	
pH (10% SOLUTION)	DENSITY (G/ML)
12.5-13.5	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: AS APPROPRIATE FOR SURROUNDING MATERIALS.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, SULPHUR DIOXIDE GAS			
SODIUM SULPHIDE RESIDUE, TOXIC ORGANIC VAPOURS, AMMONIA, OXIDES OF			
NITROGEN, OXIDES OF PHOSPHOROUS AND SODIUM.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS, OXIDIZING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NO DATA AVAILABLE			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN EVOLVE			
OXIDES OF CARBON, SULPHUR DIOXIDE GAS SODIUM SULPHIDE RESIDUE, TOXIC			
ORGANIC VAPOURS, AMMONIA, OXIDES OF NITROGEN, OXIDES OF PHOSPHOROUS			
AND SODIUM.			

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 SEVERE IRRITATION, POSSIBLE BURNS, INTENSE |
|WATERING CONJUNCTIVITIS. MAY CAUSE EYE DAMAGE. |
|SKIN-CONTACT MAY CAUSE MODERATE IRRITATION, ITCHING, TINGLING |
|SENSATION. |
|INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING. |
|INGESTION-MAY CAUSE MODERATE TO SEVERE IRRITATION AND POSSIBLE BURNS |
|OF THE MOUTH AND THROAT, PAIN IN SWALLOWING, GASTRO-INTESTINAL |
|IRRITATION, STOMACH CRAMPS, NAUSEA AND VOMITING. |
| |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|EYES-CONTACT MAY CAUSE BURNS AND IRREPARABLE DAMAGE TO MUCOUS |
|MEMBRANES, ULCERATION OF EYES, LOSS OF SIGHT. |
| |

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | CORROSIVE |

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

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

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES
WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH
RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF
IRRITATION PERSISTS. LAUNDRY CLOTHING BEFORE REUSE.
INHALATION-REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT,
GIVE OXYGEN AND GET MEDICAL ATTENTION.
INGESTION-DO NOT INDUCE VOMITING. NEVER GIVE FLUIDS BY MOUTH TO AN
UNCONSCIOUS OR CONVULSING PERSON. GET IMMEDIATE MEDICAL ASSISTANCE.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	8	1760	III

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND
CLOTHING. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS:
STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE
MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING

SPECIAL SHIPPING INFORMATION: NONE

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 10, 2009

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