



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, E

MATERIAL REFERENCE NO: 525400

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET CSL 254	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CLOSED SYSTEM SCALE AND CORROSION INHIBITOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
2-AMINO-2-METHYL-1- PROPANOL	1.0-5.0	NOT AVAILABLE	124-68-5	2900 MG/KG
SODIUM MOLYBDATE	5.0-10.0	5 MG/M3	10102-40-6	4233 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR YELLOW LIQUID; MILD ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.05	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) ~1	EVAPORATION RATE (WATER = 1) <1.0	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) NOT AVAILABLE	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) >87
pH (10% SOLUTION) 11.0-12.0	DENSITY (G/ML) 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. COOL FIRE EXPOSED CONTAINERS WITH			
WATER.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: MAY EVOLVE OXIDES OF NITROGEN, CARBON			
AND PHOSPHOROUS. TOXIC FUMES.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY			
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: AVOID CONTACT WITH REDUCING AGENTS, STRONG ACIDS,			
OXIDIZING AGENTS, COPPER, BRASS, ALUMINUM, ZINC, GALVANIZED METAL.			
REACTIVITY AND UNDER WHAT CONDITIONS: NO DATA			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY EVOLVE			
OXIDES OF NITROGEN, CARBON AND PHOSPHOROUS. TOXIC 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. |
|SKIN-PROLONGED CONTACT MAY CAUSE IRRITATION. |
|INHALATION-HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF UPPER |
|RESPIRATORY TRACT AND LUNGS. |
|INGESTION-MAY CAUSE PAIN, NAUSEA, VOMITING, DIARRHEA, LOSS OF |
|APPETITE. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|EYES-PROLONGED OR REPEATED CONTACT MAY CAUSE CORNEAL INJURY. |
|SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS. |
|INHALATION-REPEATED INHALATION OVEREXPOSURE MAY CAUSE LIVER |
|DYSFUNCTION WITH HYPERBILURIBINEMIA. |

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	EYE AND SKIN
			IRRITANT

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

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |
|NO DATA AVAILABLE |
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SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR VINYL |
|RESPIRATORY: WEAR AN APPROPRIATE NIOSH APPROVED RESPIRATOR IF |
| MISTING OCCURS. |
| EYE: FACE SHIELD OR SAFETY GOGGLES |
| CLOTHING: IMPERMEABLE |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): PROVIDE |
|LOCAL VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE WITHIN ACCEPTABLE |
|LIMITS. |

|LEAK AND SPILL PROCEDURE: STOP LEAK AND CONTAIN SPILL. TRANSFER TO |
|SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB RESIDUAL ONTO |
|INERT ABSORBENT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH AREA 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. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. |
| SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH |
| WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL |
| ASSISTANCE. LAUNDER CLOTHING BEFORE REUSE. |
| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |
| OXYGEN. GET MEDICAL ATTENTION. |
| INGESTION, IF SWALLOWED-DO NOT INDUCE VOMITING. RINSE MOUTH WITH |
| WATER. NEVER GIVE ANYTHING BY MOUTH TO A CONVULSING OR UNCONSCIOUS |
| 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 AND SKIN |
| WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA IN |
| ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. |

| 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
REVISED: OCTOBER 10, 2009	REPLACES: SEPTEMBER 14, 2005

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