



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: NOT CONTROLLED

MATERIAL REFERENCE NO: 728200

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KT # 282	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: INORGANIC SALTS
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE	
MATERIAL USE: CLOSED SYSTEM CORROSION INHIBITOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM MOLYBDATE	1.0-5.0	3 MG/M3	10102-40-6	4233 MG/KG
TETRAPOTASSIUM PYROPHOSPHATE	1.0-5.0	NO DATA	7320-34-5	2444 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, BLUE LIQUID; SLIGHT ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.026	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE NOT AVAILABLE	SOLUBILITY IN WATER (20°C) SOLUBLE
BOILING POINT (C) >100	MELTING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) >90
pH (100% SOLUTION) 10.8-11.8	DENSITY (KG/M3) 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 FOR SURROUNDING MATERIALS			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH			
WATER.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, PHOSPHOROUS, SODIUM			
AND POTASSIUM.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE 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: STRONG OXIDIZING AGENTS, STRONG			
ACIDS, REDUCING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NO DATA AVAILABLE.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR			
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON.			

SECTION VI - HEALTH HAZARD DATA

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



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
|EYES-CONTACT CAN CAUSE IRRITATION. |
|SKIN-CONTACT MAY CAUSE MILD IRRITATION. |
|INHALATION-EXCESSIVE BREATHING OF MISTS OR VAPOURS MAY CAUSE |
|RESPIRATORY TRACT IRRITATION. |
|INGESTION-CAN CAUSE IRRITATION OF MOUTH, THROAT AND STOMACH, NAUSEA, |
|VOMITING, DIARRHEA. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|AS FOR ACUTE EFFECTS. |

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

|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 RECOMMENDED (RUBBER) |
|RESPIRATORY: AIR-PURIFYING RESPIRATOR IF MISTING OCCURS. |
| EYE: SAFETY GLASSES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: ADEQUATE TO PREVENT CONTACT WITH SKIN. |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE FOR |
|NORMAL USE. PROVIDE LOCAL VENTILATION AS NECESSARY TO MAINTAIN |
|AIRBORNE CONCENTRATIONS WITHIN RECOMMENDED LIMITS. |

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE |
|CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |
|NON COMBUSTIBLE ABSORBANT AND SCOOP CONTAINER FOR DISPOSAL. FLUSH |



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION OR REDNESS DEVELOPS, GET MEDICAL ATTENTION. LAUNDER CONTAMINATED 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. DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR CONVULSING. 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, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS:
STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

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
PREPARATION DATE: OCTOBER 10, 2009

DISCLAIMER:

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