



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: 722200

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 222	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : INORGANIC SALTS
CHEMICAL FORMULA: (NaPO ₃) _x [x=6-15] MOLECULAR WEIGHT: (101.98) _x	
SYNONYMS: SODIUM HEXAMETAPHOSPHATE	
MATERIAL USE: BOILER WATER SCALE INHIBITOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
NONE				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: GRANULE/POWDER		
ODOUR AND APPEARANCE: WHITE, GLASSY PIECES; ODOURLESS.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	0.9-1.35 GM/CM ³	NOT APPLICABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT APPLICABLE	NOT APPLICABLE	(20°C) SOLUBLE
BOILING POINT (C)	MELTING POINT (C)	% VOLATILE (BY WEIGHT)
NOT APPLICABLE	630	NOT AVAILABLE
pH (1.0% SOLUTION)	DENSITY (KG/M ³)	COEF.OF WATER/OIL DISTR
6.7-8.0	1201	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: AS FOR SURROUNDING MATERIALS			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF SODIUM AND PHOSPHOROUS.			
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: NONE KNOWN			
IF SO, WHICH ONES:			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR			
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN			

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 MAY CAUSE MILD IRRITATION. |
| SKIN-CONTACT MAY CAUSE VERY MILD IRRITATION. |
| INHALATION-DUST MAY BE IRRITATING. |
| INGESTION-MAY CAUSE GASTRIC IRRITATION, SHOCK-LIKE STATE, DROP IN |
| BLOOD PRESSURE, REDUCED PULSE RATE, CYANOSIS, REDUCTION OF IONIC |
| SERUM CALCIUM, POSSIBLE COMA AND TETANY. |
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| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| NO DATA AVAILABLE. |
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| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | MILD IRRITANT |

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

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
| NONE KNOWN |
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SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR PLASTIC |
| RESPIRATORY: AIR-PURIFYING RESPIRATOR IF NECESSARY FOR DUST |
| EYE: SAFETY GLASSES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS |
| OTHER: EYE WASH AND SAFETY SHOWER |
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
| FOR HIGH DUST CONCENTRATIONS. |

| LEAK AND SPILL PROCEDURE: STOP SPILL. SWEEP INTO CONTAINER FOR |
| RECLAIM OR DISPOSAL. FLUSH AREA WITH LARGE AMOUNT OF WATER. |
| |

| WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND |
| LOCAL REGULATIONS. IT MAY BE POSSIBLE TO DISPOSE IN A SECURE, |
| SANITARY LANDFILL SITE. |
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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 20 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION OR REDNESS DEVELOPS, GET MEDICAL ATTENTION.
INHALATION-REMOVE TO FRESH AIR.
INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. DRINK 2 GLASSES OF MILK OR WATER TO DILUTE. DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR CONVULSING. GET 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.	PG
NOT REGULATED			

HANDLING PROCEDURES AND EQUIPMENT:
HANDLE CAREFULLY TO MINIMIZE DUST.
WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS:
STORE IN A COOL, DRY AREA. KEEP CONTENTS DRY.

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
REVIEWED: OCTOBER 10, 2009

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