



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: 541900

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET SB 419	
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. N.A. U.N. 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) NOT AVAILABLE	SPECIFIC GRAVITY 0.9-1.35 GM/CM ³	VAPOUR PRESSURE (MM) NOT APPLICABLE
VAPOUR DENSITY (AIR=1) NOT APPLICABLE	EVAPORATION RATE NOT APPLICABLE	SOLUBILITY IN WATER (20°C) SOLUBLE
BOILING POINT (C) NOT APPLICABLE	MELTING POINT (C) 630	% VOLATILE (BY WEIGHT) NOT AVAILABLE
pH (1.0% SOLUTION) 6.7-8.0	DENSITY (KG/M ³) 1201	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: AS FOR SURROUNDING MATERIALS		
FLASH POINT (C) AND METHOD: NONE		
HAZARDOUS COMBUSTION PRODUCTS: NONE		
UPPER EXPLOSION LIMIT NOT APPLICABLE	LOWER EXPLOSION LIMIT NOT APPLICABLE	AUTOIGNITION TEMP(C) NOT APPLICABLE
EXPLOSION DATA SENSITIVITY TO CHEMICAL IMPACT NOT APPLICABLE	RATE OF BURNING NOT APPLICABLE	EXPLOSIVE POWER 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.

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

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL MILD
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN

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.	PACKING GROUP
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
APRIL 19, 2002

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