



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

MATERIAL REFERENCE NO: 752000

SECTION I - MATERIAL IDENTIFICATION AND USE

| MATERIAL NAME/I.D.: KEMTREET 520 |
| CHEMICAL NAME : NOT APPLICABLE CHEMICAL FAMILY : ALKALINE BLEND |
| CHEMICAL FORMULA: MIXTURE MOLECULAR WEIGHT: NOT APPLICABLE |
| SYNONYMS: NONE |
| MATERIAL USE: STEAM BOILER TREATMENT |

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. CONCENT.	TLV	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
SODIUM SULPHITE	5.0-10.0	NONE	7757-83-7	2600 MG/KG
SODIUM CARBONATE	1.0-5.0	10 MG/M3	497-19-8	2800 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR BROWN LIQUID; ODOURLESS.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.082	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	NOT AVAILABLE	(20 ° C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
100	0 (EST.)	91
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
10.8	NOT AVAILABLE	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: WATER, DRY CHEMICAL, FOAM, CARBON DIOXIDE.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS FOR ALL CHEMICAL FIRES.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: SULPHUR DIOXIDE, CARBON DIOXIDE,			
CARBON MONOXIDE.			
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 AVAILABLE NOT APPLICABLE NOT AVAILABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZERS AND ACIDS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE			
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
SULPHUR DIOXIDE, SODIUM SULPHIDE RESIDUES.			

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-CAN CAUSE IRRITATION, BURNING SENSATION.
SKIN-SLIGHT IRRITATION.
INHALATION-IRRITANT TO NOSE, THROAT, AND RESPIRATORY TRACT.
INGESTION-POSSIBLE IRRITANT TO GASTRO INTESTINAL TRACT. MODERATELY TOXIC. MAY CAUSE SEVERE ALLERGIC REACTION IN ASTHMATICS. LARGE AMOUNTS MAY RESULT IN VIOLENT COLIC AND DIARRHEA, CENTRAL NERVOUS SYSTEM DEPRESSION.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

NOT KNOWN

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

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 RUBBER.
RESPIRATORY: WORN BY PERSONS SENSITIVE TO FUMES.
EYE: SAFETY GOGGLES.
FOOTWEAR: NO SPECIAL REQUIREMENTS
CLOTHING: CLOTHING WHICH CONTACT SKIN SHOULD BE CHANGED DAILY.
OTHER: EYE WASH, EMERGENCY SHOWER.
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS):
LOCAL IS SUFFICIENT

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO SUITABLE ABSORBANT. FLUSH FLOOR WITH VOLUMES OF WATER. DO NOT DISCHARGE INTO LAKES OR WATERWAYS.

WASTE DISPOSAL: DISPOSE ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR 15 MIN. DO NOT NEUTRALIZE WITH OTHER CHEMICALS. CONTACT A PHYSICIAN.
SKIN-WASH AFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. DO NOT NEUTRALIZE WITH OTHER CHEMICALS. GET MEDICAL ASSISTANCE. LAUNDER CLOTHING BEFORE RE-USE.
INHALATION-REMOVE VICTIM TO FRESH AIR. IF RESPIRATION OR BREATHING IS DIFFICULT GIVE OXYGEN. CONTACT A PHYSICIAN.
INGESTION-GIVE LARGE QUANTITY OF WATER OR MILK. DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN IMMEDIATELY.

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 SKIN OR EYES. EXERCISE CAUTION TO PREVENT DAMAGE TO CONTAINERS. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA
INCOMPATIBLE MATERIALS. KEEP FROM FREEZING.

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
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