



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

MATERIAL REFERENCE NO: 725000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 250	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: 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) NOT AVAILABLE	SPECIFIC GRAVITY 1.082	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE NOT AVAILABLE	SOLUBILITY IN WATER (20 ø C) COMPLETE
BOILING POINT (C) 100	FREEZING POINT (C) 0 (EST.)	% VOLATILE (BY WEIGHT) 91
pH (10% SOLUTION) 10.8	DENSITY (G/ML) NOT AVAILABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 725000

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 SELF CONTAINED BREATHING APPARATUS AND FULL		
PROTECTIVE CLOTHING.		
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		



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 725000

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-POSSIBLE IRRITATION AND BURNS.
SKIN-SLIGHT IRRITATION.
INHALATION-IRRITANT TO NOSE, THROAT, AND RESPIRATORY TRACT. NAUSEA.
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.



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 725000

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, 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.			
SPECIAL SHIPPING INFORMATION: KEEP FROM FREEZING			

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
REVIEWED: DECEMBER 21, 2002	

DISCLAIMER:

THE INFORMATION CONTAINED HEREIN IS COMPILED FROM SOURCES BELIEVED TO BE RELIABLE. THE MANNER AND CONDITIONS OF USE AND HANDLING MAY INVOLVE OTHER AND ADDITIONAL CONSIDERATIONS. WE ACCEPT NO RESPONSIBILITY FOR THE ACCURACY, SUFFICIENCY, RELIABILITY OR FOR ANY LOSS OR INJURY RESULTING FROM THE USE OF THE INFORMATION.