



# 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 ° 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



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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 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 NOT APPLICABLE	LOWER EXPLOSION LIMIT NOT APPLICABLE	AUTOIGNITION TEMP(C) NOT AVAILABLE
EXPLOSION DATA SENSITIVITY TO CHEMICAL IMPACT NOT AVAILABLE	RATE OF BURNING NOT APPLICABLE	EXPLOSIVE POWER 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 INHALATION: YES	SKIN ABSORPTION: YES INGESTION: YES	EYE CONTACT: YES

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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.



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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, 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

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