



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

MATERIAL REFERENCE NO: 720300

SECTION I - MATERIAL IDENTIFICATION AND USE

| MATERIAL NAME/I.D.: KEMTREET 203 |
| 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. NUMBERS	LD 50 ORAL, RAT
SODIUM SULPHITE	40.0-70.0	NONE	7757-83-7	2600 MG/KG
SODIUM CARBONATE	10.0-20.0	10 MG/M3	497-19-8	2800 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

| PHYSICAL STATE: FREE FLOWING POWDER |
| ODOUR AND APPEARANCE: GRAY TO BLACK POWDER; SWEET ODOUR. |
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	NOT APPLICABLE	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)
NOT APPLICABLE	NOT APPLICABLE	NOT AVAILABLE
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 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			



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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:
NO DATA.

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: SWEEP UP AND PLACE IN SUITABLE CONTAINER
FOR REUSE OR DISPOSAL. FLUSH REMAINING RESIDUE 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 MINUTES. DO NOT NEUTRALIZE WITH OTHER CHEMICALS. CONTACT A PHYSICIAN.
SKIN-WASH THOROUGHLY 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 AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTENTS DRY.

SPECIAL SHIPPING INFORMATION: NONE

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: SEPTEMBER 16, 2002

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