



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, E

MATERIAL REFERENCE NO: 562800

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET SB 628	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: BLENDED PRODUCT
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 PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM HYDROXIDE	3.0-7.0	2 MG/M3	1310-73-2	500 MG/KG
				(LDLo RABBIT)
SODIUM SULPHITE	5.0-10.0	NO DATA	7757-83-7	820 MG/KG
		AVAILABLE		(ORAL MOUSE)
MORPHOLINE	3.0-7.0	20	110-91-8	1450 MG/KG
ACRYLIC POLYMER WITH	1.0-5.0	NO DATA	71050-62-9	>5000 MG/KG
SODIUM PHOSPHINATE		AVAILABLE		
TETRASODIUM ETHYLENE	1.0-5.0	NO DATA	64-02-8	NOT
DIAMINE TETRAACETATE		AVAILABLE		AVAILABLE
SULFONIC-ACRYLIC	1.0-5.0	NO DATA	97953-25-8	NOT
ACID COPOLYMER		AVAILABLE		AVAILABLE

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID	
ODOUR AND APPEARANCE: CLEAR, AMBER COLOUR; LOW AROMATIC ODOUR.	
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY
NOT ESTABLISHED	1.09
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE
NOT ESTABLISHED	NOT AVAILABLE
SOLUBILITY IN WATER	
(20°C) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)
>100 C	< 0 C
% VOLATILE (BY VOLUME)	
>85	
pH (10.0 % SOLUTION)	DENSITY (G/ML)
12.5-13.5	NOT APPLICABLE
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 FOG, CARBON DIOXIDE, DRY CHEMICAL			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROGEN AND			
PHOSPHOROUS, TOXIC ORGANIC VAPOURS/FUMES.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE			
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: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, ACIDS, REACTIVE METALS,			
ORGANIC HALOGENS, ORGANIC NITRO COMPOUNDS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WIL YIELD			
OXIDES OF CARBON, NITROGEN AND PHOSPHOROUS, TOXIC ORGANIC			
VAPOURS/FUMES.			

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-MAY CAUSE SEVERE IRRITATION, BURNS, CORNEAL DAMAGE. |
| SKIN-MAY CAUSE MODERATE IRRITATION, BURNS. |
| INHALATION-OF MISTS OR VAPOURS MAY CAUSE IRRITATION OF MOUTH, THROAT |
| AND LARNYX. EXCESSIVE MIST INHALATION MAY CAUSE LUNG DAMAGE WHICH |
| COULD RESULT IN CHEMICAL PNEUMONIA. |
| INGESTION-OF LARGE AMOUNTS MAY RESULT IN GASTRO-INTESTINAL |
| IRRITATION OR ULCERATION, BURNS TO THE MOUTH AND THROAT. |
| |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| MAY CAUSE DERMITITIS UPON FREQUENT OR PROLONGED CONTACT. |
| |
| |
| |

| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMITS | IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT ESTABLISHED | 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 & GLASSES IF USING CONCENTRATE |

| GLOVES: RUBBER / VINYL / PVA |
| RESPIRATORY: AIR PURIFYING RESPIRATOR IF MISTY CONDITIONS PREVAIL. |
| EYE: SAFETY GOGGLES OR FACE SHIELD |
| FOOTWEAR: IMPERMEABLE |
| CLOTHING: IMPERMEABLE |
| OTHER: EYE WASH AND SAFETY SHOWER |
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): GENERAL IS |
| NORMALLY SUFFICIENT. |

| LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT. |
| CONTAIN SPILL. PROVIDE ADEQUATE VENTILATION. TRANSFER TO SUITABLE |
| CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |
| INERT ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL |
| WITH VOLUMES OF WATER. |

| WASTE DISPOSAL: |
| DISPOSE OF THROUGH A LICENSED DISPOSAL FACILITY IN ACCORDANCE WITH |
| LOCAL, PROVINCIAL AND FEDERAL REGULATIONS. |
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SECTION VIII - FIRST AID MEASURES

PROCEDURES: HAZARDOUS PRODUCT. OBTAIN MEDICAL ATTENTION FOR ALL EXPOSURES OTHER THAN MINOR INSTANCES OF INHALATION OR SKIN CONTACT. EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN CONTACT: WHILE REMOVING CONTAMINATED CLOTHING, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. LAUNDRY CLOTHING BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. SEEK MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION 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
CORROSIVE LIQUID N.O.S. (SODIUM HYDROXIDE)	8	1760	III

HANDLING PROCEDURES AND EQUIPMENT:
AVOID EYE AND SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS:
STORE IN A COOL DRY PLACE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 10, 2009

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