



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: 562700

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET SB 627	
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)	
MORPHOLINE	1.0-5.0	20	110-91-8	1050 MG/KG	
TETRASODIUM ETHYLENE	1.0-5.0	NO DATA	64-02-8	NO DATA	
DIAMINE TETRAACETATE		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	VAPOUR PRESSURE (MM)
NOT ESTABLISHED	1.09	NOT ESTABLISHED
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT ESTABLISHED	NOT AVAILABLE	(20°C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY VOLUME)
>100 C	< 0 C	>85
pH (10.0 % SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
12.5-13.5	NOT APPLICABLE	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: >93.9 TCC			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROGEN,			
PHOSPHINES AND PHOSPHOROUS, AMMONIA, ALDEHYDES, KETONES, TOXIC			
ORGANIC VAPOURS AND 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 WILL YIELD			
OXIDES OF CARBON, NITROGEN, PHOSPHINES AND PHOSPHOROUS, AMMONIA,			
ALDEHYDES, KETONES, TOXIC ORGANIC VAPOURS AND 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-CAN CAUSE SEVERE IRRITATION, BURNS, CORNEAL DAMAGE. |
|SKIN-MAY CAUSE MODERATE IRRITATION, REDNESS, 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-CAN CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION, BURNS |
|TO THE MOUTH AND THROAT. |
|

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|MAY CAUSE DERMITITIS UPON FREQUENT OR PROLONGED CONTACT. |
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|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: IMPERVIOUS (I.E. 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): PROVIDE |
|LOCAL VENTILATION IN CONFINED OR POORLY VENTILATED AREAS TO MAINTAIN |
|AIRBORN CONCENTRATIONS WITHIN RECOMMENDED LIMITS. |

|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:	
EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15	
MINUTES WHILE HOLDING EYELIDS OPEN. 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. LAUNDER CLOTHING BEFORE REUSE.	
INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IS BREATHING IS	
DIFFICULT. GET MEDICAL ATTENTION.	
INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK	
2 GLASSES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF VICTIM IS	
UNCONSCIOUS OR CONVULSING. 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.	8	1760	III	
(SODIUM HYDROXIDE)				
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND				
CLOTHING. WASH THOROUGHLY AFTER HANDLING.				
STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA.				
KEEP FROM FREEZING. 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	
REVISED: OCTOBER 10, 2009	REPLACES: DECEMBER 15, 2005	

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