

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 (LD50 RABBIT)
SODIUM SULPHITE	5.0-10.0	NO DATA AVAILABLE	7757-83-7	820 MG/KG (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)		
NOT ESTABLISHED	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
	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: 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

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| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL 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 LARYNX. 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|
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| 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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MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 562800

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. LAUNDER 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. |
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| SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS |
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| 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 EYE AND SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. |
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| 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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