



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, D2B, E

MATERIAL REFERENCE NO: 700700

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET RX-150	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: BOILER TREATMENT COMPOUND	

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
SODIUM SULFITE	1.0-5.0	NONE	7757-83-7	ORAL LDLo (RBT) 2610 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: CLEAR, STRAW COLOUR; ODOURLESS.			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	1.14	760 AT 100 (C)	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
<1	(WATER=1) <1	(20 ø C) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
APPROX. 100	NOT AVAILABLE	>80	
pH (10% 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, FOAM, DRY CHEMICAL, CARBON DIOXIDE			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROUS OXIDE,			
SULPHUR DIOXIDE, SODIUM SULPHIDE RESIDUE, ACRYLIC MONOMERS, ACRID			
SMOKE, IRRITATING 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 APPLICABLE	
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 ACIDS, STRONG OXIDIZERS, ORGANIC HALOGENS,			
ALUMINUM, ZINC, TIN.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL YIELD			
OXIDES OF CARBON, NITROUS OXIDE, SULPHUR DIOXIDE, SODIUM SULPHIDE			
RESIDUE, ACRYLIC MONOMERS, ACRID SMOKE, IRRITATING FUMES.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES	SKIN ABSORPTION: NO	EYE CONTACT: YES	
INHALATION: YES	INGESTION: YES		



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
|EYES-CONTACT MAY CAUSE MODERATE TO SEVERE IRRITATION, TEARING, |
|REDNESS, CONJUNCTIVITIS. |
|SKIN-CONTACT MAY CAUSE MODERATE IRRITATION. |
|INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING, |
|DIZZINESS. |
|INGESTION-MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH |
|AND THROAT, GASTROINTESTINAL IRRITATION, ABUNDANT SALIVATION, |
|NAUSEA AND VOMITING. MAY CAUSE SEVERE ALLERGIC REACTION IN SOME |
ASTHMATICS AND SENSITIVE INDIVIDUALS.

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|EYES-IRREPARABLE DAMAGE OF MUCOUS MEMBRANES, ULCERATION OF EYES, |
|IMPAIRED VISION. |
|INGESTION-INGESTION OF LARGE QUANTITIES MAY CAUSE RISK OF STOMACH |
PERFORATION.

|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: IMPERMEABLE |
|RESPIRATORY: AIR PURIFYING RESPIRATOR IF MIST IS PRESENT |
| EYE: CHEMICAL GOGGLES |
| FOOTWEAR: IMPERMEABLE |
| CLOTHING: IMPERMEABLE |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
EXHAUST TO MAINTAIN TLV WITHIN ACCEPTABLE LIMITS.

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE |
|CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |
|ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL WITH |
VOLUMES OF WATER.

|WASTE DISPOSAL: |
DISPOSE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |
| EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES |
| WHILE HOLDING EYELIDS OPEN. IF SYMPTOMS PERSIST, GET MEDICAL |
| ATTENTION. |
| SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH |
| WATER FOR 15 MINUTES. IF PAIN OR IRRITATION OCCURS, SEEK MEDICAL |
| ASSISTANCE. LAUNDRY CLOTHING BEFORE REUSE. |
| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |
| OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN |
| GIVE OXYGEN. GET MEDICAL ATTENTION. |
| INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF |
| WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH IF PERSON IS |
UNCONSCIOUS OR CONVULSING. GET IMMEDIATE MEDICAL ATTENTION.
SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
CORROSIVE LIQUID, N.O.S.	8	1760	III
(SODIUM HYDROXIDE)			

| HANDLING PROCEDURES AND EQUIPMENT: |
AVOID CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING.
STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA.
KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING.

SPECIAL SHIPPING INFORMATION: HEATED

SECTION X - HMIS HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH |
| 0 | 0 | 1 |

SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT | TELEPHONE # (905) 456-9444 |
| REVISED: OCTOBER 10, 2009 | REPLACES: DECEMBER 23, 2005 |

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