



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: 725800

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET Co-Polymer 258
CHEMICAL NAME : NOT APPLICABLE CHEMICAL FAMILY :ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE
MATERIAL USE: CORROSION AND SCALE PREVENTION

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
SODIUM HYDROXIDE	1.0-5.0	2 MG/M3	1310-73-2	140 MG/KG
SODIUM TOLYTRIAZOLE	1.0-5.0	NOT AVAILABLE	64665-57-21	920 MG/KG (MALE)
AMINOTRI(METHYLENE-)	1.0-5.0	NOT AVAILABLE	6419-19-8	2910 MG/KG
PHOSPHONIC ACID				
SURFACTANT	1.0-5.0	NOT AVAILABLE	31075-24-8	1951 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE:	LIQUID	
ODOUR AND APPEARANCE:	CLEAR, AMBER LIQUID, LOW ODOUR.	
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.025	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE (WATER=1)	SOLUBILITY IN WATER (20 ° C) SOLUBLE
APPROXIMATELY 1	0.9	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
100	APPROX. 0 C	92
pH (CONCENTRATED)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
11.0-11.5	NOT APPLICABLE	NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE		
IF YES, UNDER WHICH CONDITIONS:		
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MEANS OF EXTINCTION: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.		
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SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- CONTAINED BREATHING APPARATUS.		
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FLASH POINT (C) AND METHOD: NONE (TCC)		
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HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, AMMONIA, TRACE AMOUNTS OF PHOSPHINE.		
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UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)		
NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
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EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER		
TO CHEMICAL IMPACT		
NOT AVAILABLE	NOT APPLICABLE	NOT AVAILABLE
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SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE		
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SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE	
IF NO, UNDER WHICH CONDITIONS:	
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INCOMPATIBILITY TO OTHER SUBSTANCES: YES	
IF SO, WHICH ONES: ACIDS, STRONG OXIDIZERS.	
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REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED	
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HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN RELEASE OXIDES OF CARBON, OXIDES OF NITROGEN, AMMONIA.	
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SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:	
SKIN CONTACT: YES	SKIN ABSORPTION: YES
INHALATION: YES	INGESTION: YES
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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
|EYES-CONTACT CAN CAUSE IRRITATION
|SKIN-CONTACT CAN CAUSE IRRITATION
|INGESTION-CAN RESULT IN HEADACHE, LOW BLOOD PRESSURE, DIZZINESS,
|NAUSEA, VOMITING, BLUE DISCOLOURATION OF LIPS.
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
| NONE KNOWN
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|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S)|IRRITANCY OF MATL|
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE |

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS
| NOT AVAILABLE | NOT AVAILABLE |

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |
|NONE KNOWN
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SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT:
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| GLOVES: RUBBER OR PLASTIC
|RESPIRATORY: NONE REQUIRED
| EYE: SAFETY GLASSES
| FOOTWEAR: IMPERMEABLE
| CLOTHING: IMPERMEABLE
| OTHER: EYE WASH AND SAFETY SHOWER
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL
| IS SUFFICIENT.

|LEAK AND SPILL PROCEDURE: SMALL SPILLS-WASH DOWN FLOOR DRAIN WITH
| LARGE VOLUMES OF WATER.
|LARGE SPILLS-TRANSFER TO CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB
|RESIDUE ONTO ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL.
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|WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND
| FEDERAL REGULATIONS.
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SECTION VIII - FIRST AID MEASURES

| PROCEDURES:

| EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION PERSISTS
| GET MEDICAL ATTENTION.

| SKIN-FLUSH AFFECTED AREA WITH RUNNING WATER FOR 15 MINUTES WHILE
| REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET
| MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.

| INHALATION-REMOVE TO FRESH AIR.

| INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. GIVE
| WATER OR DILUTE VINEGAR TO DILUTE CONTENTS. NEVER GIVE ANYTHING BY
| MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. 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.	PACKING GROUP
CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	8	1760	III

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN
| AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. KEEP FROM FREEZING.
| KEEP CONTAINER CLOSED WHEN NOT IN USE.

| 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 |
| REVIEWED: NOVEMBER 22, 2004 |

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