

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:

B2, D1B, D2A, E

MATERIAL REFERENCE NO: 766400

SECTION	Т	<ul> <li>MATERIAL</li> </ul>	IDENTIFICATION	AND	USE

MATERIAL NAME/I.D.: KEMTREET RT 66	4				
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : ALKALINE BLEND				
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE				
SYNONYMS: NONE					
MATERIAL USE: STEAM LINE ANTI-CORROSION TREATMENT					

#### SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS	APPROX.	TLV	C.A.S. N.A.	LD 50
INGREDIENTS	% CONCENT.	PPM		ORAL, RAT
DIETHYL (2-HYDROXY   ETHYL)AMINE   	10.0-30.0	10	100-37-8     	1300 MG/KG             

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID						
ODOUR AND APPEARANCE: AMBER LIQUID; AMINE ODOUR.						
ODOUR THRESHOLD (PPM)   NOT AVAILABLE	SPECIFIC GRAVITY 0.975	VAPOUR PRESSURE (MM)   760 AT 93.3 (C)				
VAPOUR DENSITY (AIR=1)    NOT AVAILABLE	EVAPORATION RATE (WATER = 1) 1.1	SOLUBILITY IN WATER    (20@C) COMPLETE				
BOILING POINT (C)	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT)    100				
pH (10% SOLUTION)     11.2-11.8	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR    NOT AVAILABLE				



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: COMBUSTIBLE

IF YES, UNDER WHICH CONDITIONS: HIGH TEMPERATURES

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MEANS OF EXTINCTION: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG \_\_\_\_\_\_

SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH

FLASH POINT (C) AND METHOD: 58

HAZARDOUS COMBUSTION PRODUCTS: MAY EVOLVE NITROGEN OXIDES, CARBON MONOXIDE, CARBON DIOXIDE.

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| UPPER EXPLOSION LIMIT | LOWER EXPLOSION LIMIT | AUTOIGNITION TEMP(C) | NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE -----EXPLOSION DATA SENSITIVITY RATE OF BURNING | EXPLOSIVE POWER

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TO CHEMICAL IMPACT NOT AVAILABLE NOT AVAILABLE NOT AVAILABLE

SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE

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SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: NORMALLY STABLE

IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES

INCOMPATIBILITY TO OTHER SUBSTANCES: YES

IF SO, WHICH ONES: AVOID CONTACT WITH STRONG ACIDS, OXIDIZING AGENTS CAN REACT WITH NITRITES TO FORM CARCINOGENIC NITROSAMINES.

REACTIVITY AND UNDER WHAT CONDITIONS: NO HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN EVOLVE OXIDES OF NITROGEN AND CARBON.

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:

\_\_\_\_\_\_ | SKIN CONTACT: YES | SKIN ABSORPTION: YES | EYE CONTACT: YES | INGESTION: YES |



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

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EYES-CONTACT MAY CAUSE SEVERE IRRITATION, PAIN, TEARING. CONJUNCTIVITIS, CORNEAL INJURY.

SKIN-CONTACT MAY CAUSE SEVERE IRRITATION, POSSIBLE TISSUE DAMAGE. INHALATION-OF HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF RESPIRATORY TRACT, CHEST DISCOMFORT.

INGESTION-MAY CAUSE IRRITATION AND POSSIBLE BURNS TO LIPS, MOUTH THROAT, OESOPHAGUS AND STOMACH, NAUSEA, VOMITING, DIARRHEA, DIZZINESS, DROWZINESS, FATIQUE, THIRST.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

SKIN-REPEATED CONTACT MAY RESULT IN SEVERE CUMULATIVE DERMATITIS.

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S)|IRRITANCY OF MATL|

| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | TOXIC

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SENSITIZATION OF MATERIAL SYNERGISTIC MATERIALS
NOT AVAILABLE NOT AVAILABLE

|CARCINOGENICITY-NOT AVAILABLE |REPRODUCTIVE EFFECTS- NOT AVAILABLE |MUTAGENICITY-NOT AVAILABLE |TERATOGENICITY- NOT AVAILABLE

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SECTION VII - PREVENTIVE MEASURES

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PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: NEOPRENE

RESPIRATORY: NIOSH APPROVED RESPIRATOR APPROVED FOR ORGANIC VAPOURS.

EYE: FACE SHIELD OR SAFETY GOGGLES

CLOTHING: IMPERMEABLE

OTHER: EYE WASH AND SAFETY SHOWER

ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL

AS NEEDED TO CONTROL FUMES.

|LEAK AND SPILL PROCEDURE: REMOVE IGNITION SOURCES. STOP LEAKS AND |CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR |DISPOSAL. ABSORB REMAINING MATERIAL ONTO NON COMBUSTIBLE ABSORBANT |AND SCOOP INTO DISPOSAL CONTAINER.

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

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SECTION VIII - FIRST AID MEASURES

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|PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 | MINUTES AND SEEK MEDICAL ATTENTION.

SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. GET MEDIAL ATTENTION. LAUNDER 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. DO NOT GIVE FLUIDS. |GET IMMEDIATE MEDICAL ATTENTION.

|SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

SOURCES USED: KAW MAIERIAL SUPPLIER S MAIERIAL SAFEII DAIA SHEEIS

|ADDITIONAL INFORMATION: NONE

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#### SECTION IX - TDG SHIPPING INFORMATION

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| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. | USE IN WELL VENTILATED AREA. WASH THOROUGHLY AFTER HANDLING. |

STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL VENTILATED AREA IN ORIGINAL CONTAINER PROPERLY SEALED. DO NOT STORE NEAR INCOMPATIBLE MATERIALS.

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SPECIAL SHIPPING INFORMATION: HEATED

#### SECTION X - HMIS HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH | 2 0 2 |

SECTION XI - PREPARATION DATE OF MSDS

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| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 | REVIEWED: JANUARY 12, 2003

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