



# 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,

MATERIAL REFERENCE NO: 727900

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: Kemtreet 279	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CORROSION CONTROL	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS   INGREDIENTS	APPROX.     % CONC.	TLV   PPM	C.A.S.   NUMBERS	LD 50   ORAL, RAT
SODIUM TOLYTRIAZOLE	0.5-1.5	NO DATA	64665-57-2	1980 MG/KG
2-PHOSPHONO-1,2,4-   BUTANE-TRICARBOXILIC   ACID	0.1-1.0	NO DATA	37971-36-1	>2000 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: STRAW-AMBER COLOUR; SLIGHT ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.05	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	(WATER = 1) < 1	(20°C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	> 80
pH (100% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
8.0	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: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH			
WATER.			
FLASH POINT (C) AND METHOD: NON FLAMMABLE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, PHOSPHOROUS,			
NITROGEN, TRACE AMOUNTS OF PHOSPHORIC ACID, AND OTHER UNIDENTIFIED			
BY-PRODUCTS.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT AVAILABLE	NOT AVAILABLE	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: NORMALLY STABLE		
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES		
IF SO, WHICH ONES: AVOID CONTACT WITH STRONG ACIDS, OXIDIZERS, MILD		
STEEL, ALUMINUM, COPPER, ZINC, NITRITES, SULPHITES.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN LIBERATE		
OXIDES OF CARBON, PHOSPHOROUS, NITROGEN, TRACE AMOUNTS OF PHOSPHORIC		
ACID, AND OTHER UNIDENTIFIED BY-PRODUCTS.		

## 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 CAN CAUSE IRRITATION. |  
| SKIN-CONTACT MAY CAUSE IRRITATION. |  
| INHALATION-EXCESSIVE INHALATION OF MIST OR VAPOURS MAY CAUSE |  
| IRRITATION OF RESPIRATORY TRACT. |  
| INGESTION-MAY CAUSE IRRITATION OF GASTROINTESTINAL TRACT, NAUSEA, |  
| VOMITING. |  
| |  
| |  
| |  
| |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |  
| EYES-PROLONGED OR REPEATED CONTACT MAY CAUSE EYE DAMAGE. |  
| SKIN-REPEATED OR PROLONGED CONTACT MAY CAUSE DRYING OF SKIN LEADING |  
| TO DERMATITIS. |  
| |  
| |

| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | SKIN AND EYE |

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

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |  
| |  
| NONE KNOWN |  
| |  
| |

## SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR VINYL |  
| RESPIRATORY: NONE FOR NORMAL USE |  
| EYE: FACE SHIELD OR SAFETY GOGGLES |  
| FOOTWEAR: IMPERVIOUS |  
| CLOTHING: IMPERVIOUS |  
| OTHER: EYE WASH AND SAFETY SHOWER |  
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |  
| AS NEEDED TO CONTROL FUMES. |

| LEAK AND SPILL PROCEDURE: STOP LEAK AND CONTAIN SPILL. TRANSFER TO |  
| SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING |  
| MATERIAL ONTO INERT ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. |  
| FLUSH AREA WITH LARGE AMOUNTS OF WATER. |

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



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## SECTION VIII - FIRST AID MEASURES

PROCEDURES:  
EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE.  
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. LAUNDER CLOTHING BEFORE REUSE.  
INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.  
INGESTION-IF SWALLOWED-DO NOT INDUCE VOMITING. GIVE WATER, VINEGAR AND WATER OR FRUIT JUICE. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. 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
NOT REGULATED			

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

STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL VENTILATED AREA IN ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: HEATED

## SECTION X - HMIS 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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