



# 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: 742400

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KT # 424	
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	1.0-5.0	2	1310-73-2	LDLo ORAL (RABBIT)   500 MG/KG
POLYMALEIC ACID	1.0-5.0	NO DATA	26099-09-2	NO DATA

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, AMBER COLOUR; ACRID ODOUR.		
ODOUR THRESHOLD (PPM)   NOT ESTABLISHED	SPECIFIC GRAVITY   1.04	VAPOUR PRESSURE (MM)   NOT ESTABLISHED
VAPOUR DENSITY (AIR=1)   NOT ESTABLISHED	EVAPORATION RATE   NOT AVAILABLE	SOLUBILITY IN WATER   (20°C) COMPLETE
BOILING POINT (C)   100 (C) ESTIMATED	FREEZING POINT (C)   0 (C) ESTIMATED	% VOLATILE (BY VOLUME)   >80
pH (10.0 % SOLUTION)   12.0-13.0	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: 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 SODIUM			
AMMONIA.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT APPLICABLE	NOT APPLICABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY			
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: ACIDS, OXIDIZING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND NITROGEN,			
AMMONIA.			

## 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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## SECTION VIII - FIRST AID MEASURES

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| PROCEDURES: |  
| EYE CONTACT-FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST AT |  
| LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION |  
| IF IRRITATION PERSISTS. |  
| SKIN CONTACT: FLUSH THOROUGHLY WITH RUNNING WATER FOR AT LEAST 15 |  
| MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. LAUNDRER |  
| CONTAMINATED CLOTHING BEFORE REUSE. |  
| INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |  
| OXYGEN AND GET IMMEDIATE 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 OR CONVULSING. GET MEDICAL ATTENTION IMMEDIATELY.
SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS
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ADDITIONAL INFORMATION: NONE

## SECTION IX - TDG SHIPPING INFORMATION

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| SHIPPING NAME | CLASS | UN NO. | PACKING GROUP |  
| NOT REGULATED | | | |  
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| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. |  
WASH THOROUGHLY AFTER HANDLING.
STORAGE REQUIREMENTS:
STORE IN A COOL DRY PLACE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.
KEEP FROM FREEZING.
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SPECIAL SHIPPING INFORMATION: NONE

## SECTION X - HAZARD RATING INFORMATION

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| FLAMMABILITY | REACTIVITY | HEALTH |  
| 0 | 0 | 1 |  
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## SECTION XI - PREPARATION DATE OF MSDS

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| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 |  
REVIEWED: OCTOBER 10, 2009

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