

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 RATE OF BURNING EXPLOSIVE POWER	
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
INHALATION: YES	INGESTION: YES



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SECTION VIII - FIRST AID MEASURES

| 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. LAUNDER
| 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

| 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 PLACE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.
| KEEP FROM FREEZING.

| SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

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

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