



# 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: E

MATERIAL REFERENCE NO: 721600

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KT # 216	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PHOSPHATES
CHEMICAL FORMULA:	MOLECULAR WEIGHT: BLEND
SYNONYMS: TRISODIUM PHOSPHATE	
MATERIAL USE: HARD WATER SCALE INHIBITION	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS   INGREDIENTS	APPROX.   % CONCENT.	TLV   MG/M3	C.A.S.   NUMBERS	LD 50   ORAL, RAT
TRISODIUM PHOSPHATE	7.0-13.0	5	7601-54-9	2000 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR COLOURLESS LIQUID; LOW ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.1	NOT APPLICABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT APPLICABLE	NOT APPLICABLE	(20°C) SOLUBLE
BOILING POINT (C)	MELTING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	>85
pH (10.0% SOLUTION)	DENSITY (KG/M3)	COEF.OF WATER/OIL DISTR
11.5-12.5	NOT APPLICABLE	NOT AVAILABLE



# MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 721600

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: WATER SPRAY, WATER FOG OR FOAM.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF SODIUM AND PHOSPHOROUS.			
UPPER EXPLOSION LIMIT   LOWER EXPLOSION LIMIT   AUTOIGNITION TEMP (C)			
NOT APPLICABLE   NOT APPLICABLE   NOT APPLICABLE			
EXPLOSION DATA SENSITIVITY   RATE OF BURNING   EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT APPLICABLE   NOT APPLICABLE   NOT APPLICABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE			

## SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS.			
REACTIVITY AND UNDER WHAT CONDITIONS: CAN REACT WITH ALUMINUM TO			
GIVE OFF FLAMMABLE HYDROGEN GAS.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR			
HAZARDOUS DECOMPOSITION PRODUCTS: SODIUM AND PHOSOPHOROUS OXIDES MAY			
FORM WHEN HEATED TO DECOMPOSITION.			

## SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES SKIN ABSORPTION: NO EYE CONTACT: YES			
INHALATION: YES INGESTION: YES			



# MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 721600

|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |  
|EYES- CAN BE CORROSIVE TO EYES. CONTACT CAUSES SEVERE IRRITATION. |  
|MAY CAUSE CORNEAL INJUEY. |  
|SKIN-CONTACT CAN CAUSE IRRITATION, REDNESS. |  
|INHALATION-SPRAY CAN BE IRRITATING TO LUNGS AND RESPIRATORY TRACT. |  
|EXCESSIVE INHALATION OF MIST OR SPRAY MAY CAUSE COUGHING, CHEST PAIN |  
|BREATHING DIFFICULTY. |  
|INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION. CAUSES VOMITING, |  
|NAUSEA, DIARRHEA. |  
| |  
| |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |  
|NO DATA. |  
| |  
| |  
| |

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | MODERATE |

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

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

## SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: CHEMICAL RESISTANT |  
|RESPIRATORY: NONE NORMALLY REQUIRED |  
| EYE: CHEMICAL SPLASH GOGGLES |  
| FOOTWEAR: NO SPECIAL REQUIREMENTS |  
| CLOTHING: ADEQUATE TO PREVENT SKIN CONTACT |  
| OTHER: EYE WASH AND SAFETY SHOWER |  
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE FOR |  
| NORMAL USE. |

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE |  
|CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |  
|ABSORBANT SUCH AS SAND AND SCOOP INTO DISPOSAL CONTAINER. FLUSH |  
|RESIDUAL WITH VOLUMES OF WATER. |  
| |

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



# MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 721600

## SECTION VIII - FIRST AID MEASURES

PROCEDURES:  
EYES-FLUSH IMMEDIATELY WITH RUNNING WATER FOR AT LEAST 15 MINUTES.  
GET MEDICAL ATTENTION.  
SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER  
FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.  
LAUNDER CLOTHING BEFORE REUSE.  
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GET  
IMMEDIATE MEDICAL ATTENTION.  
INGESTION-DO NOT INDUCE VOMITING. 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
NOT REGULATED			

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

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM  
INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

## 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

### DISCLAIMER:

THE INFORMATION CONTAINED HEREIN IS COMPILED FROM SOURCES BELIEVED TO BE RELIABLE. THE MANNER AND CONDITIONS OF USE AND HANDLING MAY INVOLVE OTHER AND ADDITIONAL CONSIDERATIONS. WE ACCEPT NO RESPONSIBILITY FOR THE ACCURACY, SUFFICIENCY, RELIABILITY OR FOR ANY LOSS OR INJURY RESULTING FROM THE USE OF THE INFORMATION.