



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



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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 PHOSPHOROUS 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



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|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.



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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 MEDICAL ATTENTION.

| INHALATION REMOVE TO FRESH AIR
| IMMEDIATE MEDICAL ATTENTION

|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

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