



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: NOT CONTROLLED

MATERIAL REFERENCE NO: 722200

SECTION I - MATERIAL IDENTIFICATION AND USE

| MATERIAL NAME/I.D.: KEMTREET 222

| CHEMICAL NAME : NOT APPLICABLE | CHEMICAL FAMILY : INORGANIC SALTS

| CHEMICAL FORMULA: (NaPO₃)_x [x=6-15] | MOLECULAR WEIGHT: (101.98)x |

| SYNONYMS: SODIUM HEXAMETAPHOSPHATE

| MATERIAL USE: BOILER WATER SCALE INHIBITOR

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

SECTION III - PHYSICAL DATA FOR MATERIAL

| PHYSICAL STATE: GRANULE/POWDER

ODOUR AND APPEARANCE: WHITE, GLASSY PIECES; ODOURLESS.

|ODOUR THRESHOLD (PPM) | SPECIFIC GRAVITY | VAPOUR PRESSURE (MM)
 | NOT AVAILABLE | 0.9-1.35 GM/CM3 | 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 APPLICABLE	630	NOT AVAILABLE

pH (1.0% SOLUTION)	DENSITY (KG/M3)	COEF. OF WATER/OIL DISTR
6.7-8.0	1201	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: AS FOR SURROUNDING MATERIALS

| SPECIAL PROCEDURES: AS FOR SURROUNDING MATERIALS

|

| 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 TO CHEMICAL IMPACT	RATE OF BURNING	EXPLOSIVE POWER
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: NONE KNOWN

| IF SO, WHICH ONES:

|

| REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN

|

| HAZARDOUS POLYMERIZATION WILL NOT OCCUR

| HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

|

SECTION VI - HEALTH HAZARD DATA

| ROUTE OF ENTRY:

SKIN CONTACT: NO	SKIN ABSORPTION: NO	EYE CONTACT: YES
INHALATION: YES	INGESTION: YES	



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
|EYES-CONTACT MAY CAUSE MILD IRRITATION.
|SKIN-CONTACT MAY CAUSE VERY MILD IRRITATION.
|INHALATION-DUST MAY BE IRRITATING.
|INGESTION-MAY CAUSE GASTRIC IRRITATION, SHOCK-LIKE STATE, DROP IN
|BLOOD PRESSURE, REDUCED PULSE RATE, CYANOSIS, REDUCTION OF IONIC
|SERUM CALCIUM, POSSIBLE COMA AND TETANY.
|
|

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
|NO DATA AVAILABLE.
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|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S)|IRRITANCY OF MATL
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | MILD IRRITANT

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

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
|NONE KNOWN
|
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SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT:

| GLOVES: RUBBER OR PLASTIC
|RESPIRATORY: AIR-PURIFYING RESPIRATOR IF NECESSARY FOR DUST
| EYE: SAFETY GLASSES
| FOOTWEAR: NO SPECIAL REQUIREMENTS
| CLOTHING: NO SPECIAL REQUIREMENTS
| OTHER: EYE WASH AND SAFETY SHOWER
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL
| FOR HIGH DUST CONCENTRATIONS.

|LEAK AND SPILL PROCEDURE: STOP SPILL. SWEEP INTO CONTAINER FOR
|RECLAIM OR DISPOSAL. FLUSH AREA WITH LARGE AMOUNT OF WATER.
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|WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND
|LOCAL REGULATIONS. IT MAY BE POSSIBLE TO DISPOSE IN A SECURE,
|SANITARY LANDFILL SITE.
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SECTION VIII - FIRST AID MEASURES

| PROCEDURES:

| EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 20 MINUTES. IF IRRITATION
| PERSISTS, GET MEDICAL ATTENTION.
| SKIN-WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION OR REDNESS
| DEVELOPS, GET MEDICAL ATTENTION.
| INHALATION-REMOVE TO FRESH AIR.
| INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. DRINK 2 GLASSES OF
| MILK OR WATER TO DILUTE. DO NOT GIVE LIQUIDS IF PERSON IS
| UNCONSCIOUS OR CONVULSING. GET MEDICAL ATTENTION.

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| SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS |

| ADDITIONAL INFORMATION: NONE |

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
NOT REGULATED			

| HANDLING PROCEDURES AND EQUIPMENT:

| HANDLE CAREFULLY TO MINIMIZE DUST.
| WASH THOROUGHLY AFTER HANDLING.

| STORAGE REQUIREMENTS:

| STORE IN A COOL, DRY AREA. KEEP CONTENTS DRY.

|

| SPECIAL SHIPPING INFORMATION: NONE |

SECTION X - HMIS 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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