

(10855)



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
1875 DREW ROAD
MISSISSAUGA, ONTARIO
L5S 1J5
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: 716300

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: HIGH TEST TERPOLYMER 163	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
MATERIAL USE: SCALE AND CORROSION CONTROL	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONC.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
2-PHOSPHONOBUTANE-1,2,4- TRICARBOXILIC ACID	5.0-10.0	NO DATA	37971-36-1	>2000 MG/KG
TETRAPOTASSIUM PYROPHOSPHATE	1.0-5.0	NO DATA	7320-34-5	2444 MG/KG
SODIUM HYDROXIDE	5.0-10.0	2 MG/M3	1310-73-2	140 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, AMBER COLOUR; SLIGHT ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.16	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE (WATER = 1) < 1	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) NOT AVAILABLE	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) >78
pH (100% SOLUTION) 12.5-13.5	DENSITY (G/ML) NOT APPLICABLE	COEF. OF WATER/OIL DISTR NOT AVAILABLE

APPROVED MATERIAL
NOV 09 2012
MSDS # 10855
APPROVED BY <i>[Signature]</i>



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

| FLAMMABILITY: NON FLAMMABLE |
IF YES, UNDER WHICH CONDITIONS:
MEANS OF EXTINGUISHMENT: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG

| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- |
| CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH |
WATER.
FLASH POINT (C) AND METHOD: MINIMUM 100 (TCC)

| HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, |
| ACRYLIC MONOMERS, OXIDES OF PHOSPHOROUS, TOXIC ORGANIC VAPOURS, |
IRRITATING FUMES, UNIDENTIFIED ORGANIC COMPOUNDS.
UPPER EXPLOSION LIMIT
NOT APPLICABLE

EXPLOSION DATA SENSITIVITY	RATE OF BURNING	EXPLOSIVE POWER
TO CHEMICAL IMPACT		
NOT AVAILABLE	NOT APPLICABLE	NOT APPLICABLE

SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE

SECTION V - REACTIVITY DATA

| CHEMICAL STABILITY: NORMALLY STABLE |
| IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES |
INCOMPATIBILITY TO OTHER SUBSTANCES: YES
IF SO, WHICH ONES: AVOID CONTACT WITH STRONG ACIDS, OXIDIZERS,
ALUMINUM, MILD STEEL.

| REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED. |
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN EMIT
CARBON DIOXIDE, CARBON MONOXIDE, ACRYLIC MONOMERS, OXIDES OF
PHOSPHOROUS, TOXIC ORGANIC VAPOURS AND FUMES. OTHER UNIDENTIFIED
ORGANIC COMPOUNDS.

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-CONTACT CAN CAUSE IRRITATION, POSSIBLE BURNS, TEARING, |
|REDDNESS AND SWELLING. |
|SKIN-CONTACT CAN CAUSE IRRITATION ITCHING, REDDNESS, SWELLING, RASH |
|AND SCALING. |
|INHALATION-EXCESSIVE INHALATION OF MIST OR VAPOURS MAY CAUSE |
|IRRITATION OF RESPIRATORY TRACT. |
|INGESTION-HARMFUL IF SWALLOWED. CAN CAUSE IRRITATION OF |
|GASTROINTESTINAL TRACT, NAUSEA, VOMITING. |
| |
| |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|SKIN-REPEATED OR PROLONGED CONTACT MAY CAUSE DRYING OF SKIN LEADING |
| TO DERMATITIS. |
| |
| |

|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 KNOWN |
| |
| |

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR VINYL |
|RESPIRATORY: NONE FOR NORMAL USE |
| EYE: FACE SHIELD OR SAFETY GOGGLES |
| FOOTWEAR: IMPERVIOUS |
| CLOTHING: IMPERVIOUS |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
| AS NEEDED TO CONTROL FUMES. |

|LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PRTECTIVE EQUIPMENT. STOP |
|LEAK AND CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM |
|OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND |
|SCOOP INTO DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF |
|WATER. |

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



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |

| EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 |

| MINUTES. GET MEDICAL ASSISTANCE. |

| SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH |

| WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSIST, SEEK MEDICAL |

| ASSISTANCE. LAUNDRER CLOTHING BEFORE REUSE. |

| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |

| OXYGEN AND GET MEDICAL ATTENTION. |

| INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. GIVE 1-2 |

| GLASSES OF WATER TO DRINK. DO NOT GIVE FLUIDS 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, SKIN AND |

| CLOTHING. WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL VENTILATED AREA IN |

| ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. |

| SPECIAL SHIPPING INFORMATION: HEATED |

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
REVISED: OCTOBER 10, 2011	REPLACES: APRIL 23, 2009

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