



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: 716500

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: HIGH TEST TERPOLYMER 165	
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- TRICARBOXYLIC ACID	1.0-5.0	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 1.12	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) >86
pH (100% SOLUTION) 12.5-13.5	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: 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 LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE 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	

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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. LAUNDER 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, 2009 | REPLACES: APRIL 20, 2006 |

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