



# 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: 713700

## SECTION I - MATERIAL IDENTIFICATION AND USE

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MATERIAL NAME/I.D.: HIGH TEST POLYMER 137
CHEMICAL NAME: NOT APPLICABLE
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 | CHEMICAL FORMULA: MIXTURE | MOLECULAR WEIGHT: NOT APPLICABLE |  
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SYNONYMS: NONE
MATERIAL USE: SCALE AND CORROSION CONTROL
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## 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	1.0-5.0	NO DATA	37971-36-1	>2000 MG/KG
MALEIC ANHYDRIDE/ACRYLIC   ACID COPOLYMER	1.0-5.0	NO DATA	113221-69-5	NO DATA
POLYMALEIC ACID	1.0-5.0	NO DATA	26099-09-2	NO DATA
SODIUM MOLYBDATE	1.0-5.0	5 MG/M3	10102-40-6	4233 MG/KG
SODIUM TOLYTRIAZOLE	1.0-5.0	NO DATA	64665-57-2	1980 MG/KG
SODIUM HYDROXIDE	1.0-5.0	2	1310-73-2	500 MG/KG
				LDLo (RBT)
TETRAPOTASSIUM   PYROPHOSPHATE	1.0-5.0	NO DATA	7320-34-5	4640 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

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PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: STRAW-AMBER COLOUR; SLIGHT ODOUR.
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ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.13	NOT AVAILABLE

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VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	(WATER = 1) < 1	(20°C) COMPLETE

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BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	>80

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pH (100% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
11.0-12.0	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: 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: >100 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, PHOSPHOROUS, NITROGEN, TRACE AMOUNTS OF PHOSPHORIC ACID, TOXIC FUMES, UNIDENTIFIED ORGANIC COMPOUNDS.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT AVAILABLE	NOT AVAILABLE	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, MILD STEEL, ALUMINUM, COPPER, ZINC, NITRITES, SULPHITES.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN LIBERATE OXIDES OF CARBON, PHOSPHOROUS, NITROGEN, TRACE AMOUNTS OF PHOSPHORIC ACID, TOXIC FUMES, 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 MODERATE TO SEVERE IRRITATION, POSSIBLE BURNS |  
 |SKIN-CONTACT MAY CAUSE MILD TO MODERATE IRRITATION. |  
 |INHALATION-EXCESSIVE INHALATION OF MIST OR VAPOURS MAY CAUSE |  
 |IRRITATION OF RESPIRATORY TRACT. |  
 |INGESTION-MAY CAUSE IRRITATION OF GASTROINTESTINAL TRACT, NAUSEA, |  
 |VOMITING. |  
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |  
 |EYES-PROLONGED OR REPEATED CONTACT MAY CAUSE EYE DAMAGE. |  
 |SKIN-REPEATED OR PROLONGED CONTACT MAY CAUSE DRYING OF SKIN LEADING |  
 |TO DERMATITIS. |  
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LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	SKIN AND EYE

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SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

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

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|PERSONAL PROTECTIVE EQUIPMENT: |  
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 | GLOVES: RUBBER OR VINYL |  
 |RESPIRATORY: NIOSH APPROVED RESPIRATOR IN CONFINED OR POORLY |  
 | VENTILATED AREAS. |  
 | EYE: FACE SHIELD OR SAFETY GOGGLES |  
 | FOOTWEAR: IMPERVIOUS |  
 | CLOTHING: IMPERVIOUS |  
 | OTHER: EYE WASH AND SAFETY SHOWER |  
 |ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): PROVIDE |  
 |LOCAL VENTILATION TO MAINTAIN AIRBORN CONCENTRATIONS WITHIN |  
 |RECOMMENDED LIMITS. |

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|LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE 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. |

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

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## SECTION VIII - FIRST AID MEASURES

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| PROCEDURES: |

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

| MINUTES WHILE HOLDING EYELIDS OPEN. IF PAIN OR IRRITATION PERSIST, |

| SEEK 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. GET MEDICAL ATTENTION. |

| INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. NEVER |

| GIVE ANYTHING BY MOUTH IF PERSON IS UNCONSCIOUS OR CONVULSING. GET |

| IMMEDIATE MEDICAL ATTENTION. |

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

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| ADDITIONAL INFORMATION: NONE |

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## SECTION IX - TDG SHIPPING INFORMATION

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SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
NOT REGULATED			

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| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND |

| CLOTHING. WASH THOROUGHLY AFTER HANDLING. |

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

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

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| SPECIAL SHIPPING INFORMATION: HEATED |

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## SECTION X - HMIS HAZARD RATING INFORMATION

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FLAMMABILITY	REACTIVITY	HEALTH
0	0	2

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## SECTION XI - PREPARATION DATE OF MSDS

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PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVISED: OCTOBER 10, 2009	REPLACES: MAY 11, 2006

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DISCLAIMER:

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