



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

MATERIAL REFERENCE NO: 727100

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KT # 271	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : BLENDED PRODUCT
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CORROSION INHIBITOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
SODIUM SILICATE	60.0-100.0	NOT AVAILABLE	1344-09-8	3300-8400 MG/KG
BALANCE NOT CONTROLLED				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: COLOURLESS, VISCOUS LIQUID; ODOURLESS.		
ODOUR THRESHOLD (PPM) NOT ESTABLISHED	SPECIFIC GRAVITY 1.38	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE (WATER = 1) >1	SOLUBILITY IN WATER (20°C) SOLUBLE
BOILING POINT (C) NOT AVAILABLE	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY VOLUME) NOT AVAILABLE
pH (1.0% SOLUTION) 11.0-11.5	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: AS APPROPRIATE FOR SURROUNDING FIRE			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS FOR ALL CHEMICAL FIRES.			
FLASH POINT (C) AND METHOD: NON FLAMMABLE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND SILICA, FUMES			
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 APPLICABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: ACIDIC SUBSTANCES.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND SILICA, FUMES			

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-MAY CAUSE IRRITATION, WATERING, REDNESS.
SKIN-REPEATED OR PROLONGED CONTACT MAY CAUSE IRRITATION, DRYING OF SKIN, ITCHING.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
NO KNOWN CHRONIC EFFECTS FROM OVEREXPOSURE. NOT KNOWN TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMITS	IRRITANCY OF MATL
NOT ESTABLISHED	NOT ESTABLISHED	NOT ESTABLISHED	IRRITANT

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: GLOVES & GLASSES IF USING CONCENTRATE

GLOVES: RUBBER / VINYL / PVA FOR PROLONGED CONTACT.
RESPIRATORY: VAPOUR RESPIRATOR FOR PROLONGED EXPOSURES.
EYE: SPLASH GOGGLES
FOOTWEAR: IMPERMEABLE
CLOTHING: IMPERMEABLE
OTHER: EYE WASH
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL EXHAUST TO KEEP TLV BELOW THRESHOLD VALUES.

LEAK AND SPILL PROCEDURE: TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER.

WASTE DISPOSAL:
DISPOSE OF THROUGH A LICENSED DISPOSAL FACILITY IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYE CONTACT-REMOVE CONTACT LENSES. FLUSH WITH RUNNING WATER FOR AT
LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
SKIN CONTACT-REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA
THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS
PERSIST. WASH CONTAMINATED CLOTHING BEFORE REUSE.
INHALATION-REMOVE TO FRESH AIR.
INGESTION-DO NOT INDUCE VOMITING. 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 ACIDS.
KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: FEBRUARY 12, 2003

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