



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: 1284000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: ENVIROGIZE	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: BLENDED PRODUCT
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: INDUSTRIAL DETERGENT/DEGREASER/CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	1.0-5.0	NO DATA	64-02-8	1658 MG/KG
TETRAPOTASSIUM PYROPHOSPHATE	1.0-5.0	NO DATA	7320-34-5	2444 MG/KG
ALCOHOL ETHOXYLATE	1.0-5.0	NO DATA	68161-39-5	4150 MG/KG
BALANCE NOT CONTROLLED				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, PURPLE LIQUID; MILD PLEASANT ODOUR.		
ODOUR THRESHOLD (PPM) NOT ESTABLISHED	SPECIFIC GRAVITY 1.060	VAPOUR PRESSURE (MM) NOT ESTABLISHED
VAPOUR DENSITY (AIR=1) NOT ESTABLISHED	EVAPORATION RATE NOT ESTABLISHED	SOLUBILITY IN WATER (20°C) SOLUBLE
BOILING POINT (C) NOT ESTABLISHED	FREEZING POINT (C) NOT ESTABLISHED	% VOLATILE (BY WEIGHT) >85
pH (100% SOLUTION) 12.0-13.0	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR NOT ESTABLISHED



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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 MATERIALS.		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-		
CONTAINED BREATHING APPARATUS.		
FLASH POINT (C) AND METHOD: NO FLASH TO BOILING (TCC)		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROGEN,		
PHOSPHOROUS AND POTASSIUM, HAZARDOUS FUMES		
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP(C)
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
EXPLOSION DATA SENSITIVITY	RATE OF BURNING	EXPLOSIVE POWER
TO CHEMICAL IMPACT		
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE		

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: OXIDIZING AGENTS, ACIDIC SUBSTANCES.			
REACTIVITY AND UNDER WHAT CONDITIONS:			
NOT ESTABLISHED			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN LIBERATE			
OXIDES OF CARBON, NITROGEN, PHOSPHOROUS AND POTASSIUM, HAZARDOUS			
FUMES.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES	SKIN ABSORPTION: YES		EYE CONTACT: YES
INHALATION: YES	INGESTION: YES		



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT MAY CAUSE MODERATE TO SEVERE IRRITATION.
SKIN-CONTACT MAY CAUSE MODERATE IRRITATION, DRYING AND CRACKING DERMATITIS.
INHALATION-BREATHING OF MISTS MAY CAUSE IRRITATION TO RESPIRATORY TRACT, POSSIBLE TISSUE DAMAGE TO MUCOUS MEMBRANES OF NOSE, THROAT AND RESPIRATORY TRACT.
INGESTION-HARMFUL IF INGESTED. MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING, DIARRHEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
NO ADDITIONAL INFORMATION AVAILABLE.

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT ESTABLISHED	NOT ESTABLISHED	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: IMPERMEABLE RECOMMENDED.
RESPIRATORY: NOT REQUIRED FOR NORMAL USE.
EYE: CHEMICAL GOGGLES IF SPLASHING IS LIKELY TO OCCUR.
FOOTWEAR: NO SPECIAL REQUIREMENTS
CLOTHING: ADEQUATE TO PREVENT SKIN CONTACT.
OTHER: EYE WASH AND SAFETY SHOWER.
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE FOR NORMAL USE. PROVIDE LOCAL OR MECHANICAL VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LIMITS WITHIN ACCEPTABLE LEVELS.

LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT.
CONTAIN SPILL. 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 IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION.
SKIN-FLUSH THOROUGHLY WITH RUNNING WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. LAUNDRER CLOTHING BEFORE REUSE.
INHALATION-REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT GET IMMEDIATE MEDICAL ATTENTION.
INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. NEVER GIVE FLUIDS BY MOUTH 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 NOT REGULATED	CLASS	UN NO.	PACKING GROUP
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.			
SPECIAL SHIPPING INFORMATION: HEATED			

SECTION X - HAZARD RATING INFORMATION

FLAMMABILITY 0	REACTIVITY 0	HEALTH 2
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SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVISED: MARCH 24, 2009	REPLACES: AUGUST 17, 2006

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