

KEM CANADA MFG.

4 BLAIR DRIVE

BRAMPTON, ONTARIO

W.H.M.I.S. CLASSIFICATION: D2B, E

EMERGENCY # CANUTEC (613) 996-6666 "USE IN CASE OF CHEMICAL EMERGENCY ONLY"

L6T 2H5 TEL# (905) 456-9444	W.H.M.I.S. CLASSIFICATION: D2B, E		
MATERIAL REFERENCE NO:	265800		
SECTION I - MATERIAL ID	ENTIFICATION AND USE		
MATERIAL NAME/I.D.: SC.	ALZOFF		
CHEMICAL NAME: NOT APPLICABLE CHEMICAL FAMILY: ACID BLEND			
CHEMICAL FORMULA: MIXTURE MOLECULAR WEIGHT: NOT APPLICABLE			
SYNONYMS: NONE			
MATERIAL USE: DISHWASH	ER DE-SCALER		
SECTION II - HAZARDOUS	INGREDIENTS OF MATERIAL		
HAZARDOUS INGREDIENTS	APPROX. TLV C.A.S. LD 50 CONCENT. PPM NUMBERS ORAL, RAT		
PHOSPHORIC ACID 40	.0-70.0 1 MG/M3 7664-38-2 1530 MG/KG		
CITRIC ACID 5	.0-10.0 NO DATA 77-92-9 3000 MG/KG		
SECTION III - PHYSICAL	DATA FOR MATERIAL		
PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: DARK RED LIQUID, ALMOST ODOURLESS			
	SPECIFIC GRAVITY VAPOUR PRESSURE (MM) 1.416 NOT AVAILABLE		
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE SOLUBILITY IN WATER > 1 (20 ø C) COMPLETE		
BOILING POINT (C) 100	FREEZING POINT (C) % VOLATILE (BY WEIGHT) NOT AVAILABLE 42		
=	DENSITY (G/ML) COEF.OF WATER/OIL DISTR 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: WATER FOG, CHEMICAL FOAM, CARBON DIOXIDE				
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.				
FLASH POINT (C) AND METHOD: NONE (TCC)				
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, PHOSPHOROUS OXIDE AND ORGANIC GASES.				
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP(C) NOT APPLICABLE NOT AVAILABLE				
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER TO CHEMICAL IMPACT NOT AVAILABLE NOT AVAILABLE				
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE				
SECTION V - REACTIVITY DATA				
INCOMPATIBILITY TO OTHER SUBSTANCES: YES IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, STRONG BASES, METALS, SULPHUR TRIOXIDE, PHOSPHOROUS PENTOXIDE, CARBON.				
REACTIVITY AND UNDER WHAT CONDITIONS: REACTS VIGOROUSLY WITH ALKALIES. REACTS WITH MILD STEEL (AND SOME OTHER METALS) TO RELEASE HYDROGEN.				
HAZARDOUS DECOMPOSITION PRODUCTS: MAY EVOLVE PHOSPHOROUS OXIDE AND OTHER ORGANIC GASES.				
SECTION VI - HEALTH HAZARD DATA				
ROUTE OF ENTRY:				
SKIN CONTACT: YES				



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES-CORROSIVE TO EYE TISSUE AND MAY CAUSE SEVERE DAMAGE AND BLINDNESS.		
SKIN-CONTACT CAUSES BURNS. MAY CAUSE SEVERE IRRITATION, INFLAMMATION PAINFUL BLISTERS. INHALATION-MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT, COUGHING SHORTNESS OF BREATH, HEADACHES. VAPOURS MAY CAUSE PULMONARY EDEMA.		
INGESTION-CORROSIVE. MAY CAUSE SEVERE PAIN IN MOUTH, CHEST AND ABDOMEN, LEADING TO COUGH, VOMITING AND COLLAPSE. CAUSES NAUSEA, VOMITING AND DIARRHEA.		
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: SKIN-DERMATITIS MAY OCCUR FROM PROLONGED OR REPEATED EXPOSURES. 		
i		
LD 50 OF MATL. LC 50 OF MATL. EXPOSURE LIMIT(S) IRRITANCY OF MATL NOT AVAILABLE NOT AVAILABLE CORROSIVE	- 	
SENSITIZATION OF MATERIAL SYNERGISTIC MATERIALS NOT AVAILABLE NOT AVAILABLE		
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY CONTAINS TRACE AMOUNTS OF FORMALDEHYDE WHICH IS A KNOWN CARCINOGEN.		
SECTION VII - PREVENTIVE MEASURES		
PERSONAL PROTECTIVE EQUIPMENT:		
GLOVES: RUBBER OR PLASTIC	-	
RESPIRATORY: IF MIST IS PRESENT WEAR OSHA/NIOSH APPROVED CANISTER FOR ACID MISTS.	1	
EYE: FACE SHIELD OR CHEMICAL GOGGLES. FOOTWEAR: RUBBER		
CLOTHING: RUBBER APRON WHEN HANDLING CONCENTRATE.		
OTHER: EYE WASH AND SAFETY SHOWER ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL VENTILATION IF MIST IS PRESENT.		
LEAK AND SPILL PROCEDURE: CONTAIN SPILL. WEAR RECOMMENDED PROTECTIVE EQUIPMENT. PREVENT ENTRY INTO SEWERS AND STREAMS. TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. NEUTRALIZE RESIDUAL WITH LIME SLURRY, LIMESTONE OR SODA ASH. ABSORB ONTO INERT DRY MATERIAL AND SCOOP INTO DISPOSAL CONTAINER.	 	
WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.		



MATERIAL REFERENCE NO: 265800 SECTION VIII - FIRST AID MEASURES

PROCEDURES: EYES-IMMEDIATELY FLUSH WITH RUNNING WATE REPEAT IF IRRITATION PERSISTS. GET PROME SKIN-REMOVE CONTAMINATED CLOTHING AND IN AREA WITH WATER FOR AT LEAST 15 MINUTES. ATTENTION. LAUNDER CLOTHING BEFORE RE-US INHALATION-REMOVE VICTIM TO FRESH AIR. IN A PHYSICIAN. INGESTION-DO NOT INDUCE VOMITING. RINSE GLASSES OF WATER IF VICTIM IS CONSCIOUS A PHYSICIAN IMMEDIATELY.	P MEDICAL ATTENTION.
SOURCES USED: RAW MATERIAL SUPPLIER'S MA	ATERIAL SAFETY DATA SHEETS.
ADDITIONAL INFORMATION: NONE	
SECTION IX - TDG SHIPPING INFORMATION	
SHIPPING NAME CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)	CLASS UN NO. PG 8 1760 III
HANDLING PROCEDURES AND EQUIPMENT: AVOID CLOTHING. WEAR RECOMMENDED PROTECTIVE EQUIPMENT HANDLING.	•
STORAGE REQUIREMENTS: STORE IN A COOL, I	·
SPECIAL SHIPPING INFORMATION: KEEP FROM	M FREEZING
SECTION X - HMIS HAZARD RATING INFORMATION	NC
FLAMMABILITY REACTIVITY 0 2	HEALTH 3
SECTION XI - PREPARATION DATE OF MSDS	
PREPARED BY: TECHNICAL DEPARTMENT REVIEWED: OCTOBER 4, 2009	TELEPHONE # (905) 456-9444
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