



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: 117200

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: D-SALT		
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ACIDIC BLEND	
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE	
SYNONYMS: NONE		
MATERIAL USE: SALT DEPOSIT RINSE		

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT	
CITRIC ACID	1.0-5.0	NO DATA	77-92-9	3000 MG/KG	
GLYCOLIC ACID	1.0-5.0	NO DATA	79-14-1	1950 MG/KG	

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: CLEAR, AMBER LIQUID; ACIDIC ODOUR			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	1.04	NOT AVAILABLE	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
NOT ESTABLISHED	NOT AVAILABLE	(20°C) SOLUBLE	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
NOT ESTABLISHED	NOT AVAILABLE	< 8	
pH (100% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR	
<1	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: AS APPROPRIATE FOR SURROUNDING MATERIALS			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT APPLICABLE 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: OXIDIZING AGENTS, ACTIVE METALS, NITRIC ACID,			
CYANIDE SALTS OR SULFIDE SALTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: CONTACT WITH INCOMPATIBLE			
MATERIALS CAN PRODUCE HYDROGEN, OXIDES OF NITROGEN, CYANIDE OR			
HYDROGEN SULPHIDE GASES.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN GIVE OFF			
CARBON DIOXIDE, CARBON MONOXIDE,			

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-MAY CAUSE SEVERE IRRITATION, POSSIBLE CORNEAL OR CONJUNTIVAL
ULCERATION.
SKIN-MAY CAUSE SEVERE IRRITATION
INHALATION-BREATHING OF SPRAY MIST MAY PRODUCE SEVERE IRRITATION OF
RESPIRATORY TRACT CHARACTERIZED BY COUGHING, CHOKING OR DIFFICULTY
IN BREATHING.
INGESTION-MAY CAUSE SEVERE IRRITATION, BURNING SENSATION, POSSIBLE
DAMAGE TO TISSUES OF MOUTH, THROAT AND GASTROINTESTINAL TRACT.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
REPEATED OR PROLONGED EXPOSURES TO SPRAY MIST MAY PRODUCE CHRONIC
EYE IRRITATION, SEVERE SKIN IRRITATION AND RESPIRATORY TRACT
IRRITATION LEADING TO ATTACKS OF BRONCHIAL INFECTION.

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	SKIN AND EYE
			IRRITANT

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NONE KNOWN

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VITON
RESPIRATORY: MSHA/NIOSH APPROVED RESPIRATOR IF MISTING OCCURS
EYE: CHEMICAL GOGGLES
FOOTWEAR: IMPERMEABLE
CLOTHING: NORMAL WORK CLOTHS ADEQUATE TO COVER EXPOSED SKIN.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL
VENTILATION IN CONFINED SPACES OR WHEN TLV IS EXCEEDED.

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO APPROPRIATE
CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINDER WITH INERT
ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL. RESIDUE CAN BE
NEUTRALIZED WITH DILUTE SODIUM CARBONATE.

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



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |
| EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL |
| ASSISTANCE. |
| SKIN-FLUSH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL |
| ASSISTANCE IF IRRITATION PERSISTS. |
| INHALATION-REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, GET MEDICAL |
| ATTENTION. |
| INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. 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
CORROSIVE LIQUID N.O.S.	8	1760	II
(GLYCOLIC ACID)			

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. |
| WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA |
| AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN |
| USE. |

| SPECIAL SHIPPING INFORMATION: NONE |

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 |
| REVIEWED: OCTOBER 2, 2009 |

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