

KEM CANADA MFG. 4 BLAIR DRIVE BRAMPTON, ONTARIO L6T 2H5

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

W.H.M.I.S. CLASSIFICATION: D2B, B3

TEL# (905) 456-9444 MATERIAL REFERENCE NO: 2870000 SECTION I - MATERIAL IDENTIFICATION AND USE |MATERIAL NAME/I.D.: V-CLEANER | CHEMICAL NAME: NOT APPLICABLE | CHEMICAL FAMILY: ACID BLEND | ______ |CHEMICAL FORMULA: MIXTURE | MOLECULAR WEIGHT: MIXTURE | ISYNONYMS: NONE -----|MATERIAL USE: STAINLESS STEEL AND ALUMINUM CLEANER, DESCALER, | & SANITIZER SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL ______ |SODIUM ETHYL HEXYL | | | ALCOHOL ETHOXYLATE | 1.0-5.0 | NO DATA | 68131-39-5 | 2000 MG/KG | SECTION III - PHYSICAL DATA FOR MATERIAL |PHYSICAL STATE: LIQUID |ODOUR AND APPEARANCE: CLEAR, LIQUID; MILD, LOW ODOUR. |ODOUR THRESHOLD (PPM) | SPECIFIC GRAVITY | VAPOUR PRESSURE (MM) | NOT APPLICABLE | 1.05-1.10 | NOT AVAILABLE | | VAPOUR DENSITY (AIR=1) | EVAPORATION RATE | SOLUBILITY IN WATER | > 1 | (WATER = 1) \sim 1 | (20@C) SOLUBLE |SOLUBILITY IN WATER _____ BOILING POINT (C) | FREEZING POINT (C) |% VOLATILE (BY WEIGHT)| | 64.4 (Ethanol) | < 0 | > 50 |ph (1.0% SOLUTION) | DENSITY (G/ML) | COEF.OF WATER/OIL DISTR| | 1.5-2.0 | NOT APPLICABLE | NOT AVAILABLE |



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL							
FLAMMABILITY: COMBUSTABLE							
MEANS OF EXTINCTION: AS APPROPRIATE FOR SURROUNDING MATERIALS							
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF- CONTAINED BREATHING APPARATUS TO PROVIDE PROTECTION AGAINST ACID FUMES.							
FLASH POINT (C) AND METHOD: NONE (TCC) 64.4							
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND PHOSPHOROUS.							
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP(C) NOT APPLICATION NOT APPLICABLE NONE							
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER TO CHEMICAL IMPACT NOT AVAILABLE NOT APPLICABLE NOT AVAILABLE							
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE							
SECTION V - REACTIVITY DATA							
INCOMPATIBILITY TO OTHER SUBSTANCES: YES IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, ALKALIS, REACTIVE METALS IFLUORINE, SULPHUR TRIOXIDE,							
REACTIVITY AND UNDER WHAT CONDITIONS: HYDROGEN GAS IS GENERATED BY REACTION WITH SOME METALS.							
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.							
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL PRODUCE OXIDES OF CARBON NAD HYDROGEN.							
SECTION VI - HEALTH HAZARD DATA							
ROUTE OF ENTRY:							
SKIN CONTACT: YES							



MATERIAL REFERENCE NO: 287000 ._____ |EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES-CONTACT WITH LIQUID OR MISTS MAY CAUSE SEVERE EYE IRRITATION, IOR SEVERE EYE DAMAGE, | SKIN-MAY CAUSE SEVERE IRRITATION, BURNS IF NOT WASHED OFF LIMMEDIATELY. | INHALATION-VAPOUR OR MIST MAY CAUSE IRRITATION OF NOSE AND THROAT. | INGESTION-MAY CAUSE BURNS TO MOUTH AND THROAT, PAIN IN STOMACH, |DIFFICULTY IN BREATHING, NAUSEA, VOMITING, DIARRHEA AND CONVULSIONS.| IN VERY SEVERE CASES, COLLAPSE AND DEATH. |EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: | EYES-REPEATED OR PROLONGED CONTACT WITH MISTS MAY PRODUCE CHRONIC |EYE IRRITATION. | INHALATION-REPEATED OR PROLONGED EXPOSURE TO SPRAY MIST MAY PRODUCE | | RESPIRATORY TRACT IRRITATION LEADING TO FREQUENT ATTACKS OF IBRONCHIAL INFECTION. |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:| | NONE KNOWN SECTION VII - PREVENTIVE MEASURES | PERSONAL PROTECTIVE EQUIPMENT: _____ GLOVES: BUTYL RUBBER, NITRILE, PVC, NEOPRENE | RESPIRATORY: APPROVED ACID MIST REPIRATOR IF MIST OR VAPOUR IS EYE: CHEMICAL GOGGLES. SAFETY SHIELD RECOMMENDED IF SPLASHING CAN OCCUR. FOOTWEAR: IMPERMEABLE CLOTHING: IMPERMEABLE OTHER: EYE WASH AND SAFETY SHOWER | ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL | EXHAUST AS NECESSARY TO MAINTAIN TLV WITHIN ACCEPTABLE LIMITS. | LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT. |CONTAIN SPILL. KEEP OUT OF WATERWAYS. TRANSFER TO SUITABLE CONTAINER| FOR REUSE OR DISPOSAL. NEUTRALIZE RESIDUE WITH DILUTE SOLUTION OF | SODIUM CARBONATE OR LIMESTONE. ABSORB ONTO SUITABLE ABSORBENT AND |PLACE IN CONTAINER FOR DISPOSAL. | WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND | FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:							
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 CLASS UN NO PACKING GROUP							
CORROSIVE LIQUIDS N.O.S. 8 1760 III							
(LACTIC ACID)							
(Micros Melb)							
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND							
- '							
CLOTHING. WASH THOROUGHLY AFTER HANDLING.							

	FLAMMABILITY		REACTIVITY		HEALTH	1
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|STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM | INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. |

SECTION XI - PREPARATION DATE OF MSDS

|SPECIAL SHIPPING INFORMATION: NONE.

SECTION X - HMIS HAZARD RATING INFORMATION

IDDEDADED BY: TECHNICAL DEDADTMENT TELEDHONE # (905) 456_9444

| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 | REVISED: OCTOBER 4, 2009 |

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