



MATERIAL SAFETY DATA SHEET

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

EMERGENCY # (905) 456-9444
 CANUTEC # (613) 996-6666
 W.H.M.I.S. CLASSIFICATION
 D2A, D2B, E

MATERIAL REFERENCE NO: 236300

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: LAUNDROKEM	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE	
MATERIAL USE: LAUNDRY DETERGENT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM METASILICATE	5.0-10.0	NONE	6834-92-0	1280 MG/KG
TRISODIUM NITRILOTRI-ACETATE MONOHYDRATE	3.0-7.0	NO DATA	5064-31-3	1470 MG/KG
SODIUM XYLENE SULPHONATE	1.0-5.0	NO DATA	1300-72-7	NO DATA
NONYL PHENOL ETHOXYLATE	5.0-10.0	NO DATA	9016-45-9	2500 MG/KG
SODIUM HYDROXIDE	5.0-10.0	2 MG/M3	1310-73-2	NO DATA
SODIUM ALKYL NAPHTH-ALENE SULPHONATE	1.0-5.0	10 MG/M3	NOT ASSIGNED	NO DATA
				AVAILABLE

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: OPAGUE, GREEN LIQUID; LEMON ODOUR.		
ODOUR AND APPEARANCE: BLUE GREEN CLEAR LIQUID, LIGHT PINE ODOUR		
ODOUR THRESHOLD (PPM) NOT ESTABLISHED	SPECIFIC GRAVITY 0.915	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) GREATER THAN 1	EVAPORATION RATE (WATER=1) >1	SOLUBILITY IN WATER (20 ° C) COMPLETE
BOILING POINT (C) NOT AVAILABLE	FREEZING POINT (C) NOT ESTABLISHED	% VOLATILE (BY WEIGHT) ~67.6
pH (10% SOLUTION) 9.0-10.0	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: WATER FOG, CHEMICAL FOAM, CO2		
SPECIAL PROCEDURES: COOL FIRE EXPOSED CONTAINERS WITH WATER.		
FLASH POINT (C) AND METHOD: MINIMUM 100 (C)		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES, AMMONIA, ACRID SMOKE, SODIM OXIDE.		
UPPER EXPLOSION LIMIT NOT AVAILABLE	LOWER EXPLOSION LIMIT NOT AVAILABLE	AUTOIGNITION TEMP(C) NOT AVAILABLE
EXPLOSION DATA SENSITIVITY TO CHEMICAL IMPACT NOT AVAILABLE	RATE OF BURNING NOT AVAILABLE	EXPLOSIVE POWER 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: STRONG ACIDS, OXIDIZING AGENTS
REACTIVITY AND UNDER WHAT CONDITIONS: CAN REACT WITH ALUMINUM TO FORM HYDROGEN GAS.
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

SECTION VI - HEALTH HAZARD DATA

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



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-MAY CAUSE STINGING OR BURNING, INTENSE WATERING, CONJUNCTIVITIS
SKIN-MAY CAUSE TINGLING, ITCHING, INFLAMMATION.
INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING.
INGESTION-MAY CAUSE IRRITATION AND BURNING OF LIPS, MOUTH AND
THROAT, PAIN IN SWALLOWING, GASTRO-INTESTINAL IRRITATION, ABUNDANT
SALIVATION, STOMACH CRAMPS, NAUSEA AND VOMITING, DIFFICULTY IN
BREATHING.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
EYES-MAY CAUSE BURNS AND DAMAGE TO MUCOUS MEMBRANES.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL NOT AVAILABLE
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
TRISODIUM NITRILTRIACETATE, MONOHYDRATE IS LISTED ON THE NTP
CARCINOGEN LIST AS A SUSPECT CARCINOGEN BASED ON ANIMAL STUDIES.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL
RESPIRATORY: TO BE WORN BY PERSONS SENSITIVE TO FUMES.
EYE: FACE SHIELD OR SAFETY GOGGLES
FOOTWEAR: IMPERVIOUS IF HANDLING LARGER QUANTITIES.
CLOTHING: IMPERVIOUS IF HANDLING LARGER QUANTITIES.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL
IS SUFFICIENT.

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. RECLAIM IF NOT CONTAMINATED
ABSORB REMAINDER ONTO SUITABLE ABSORBANT AND PLACE IN CONTAINER FOR
DISPOSAL. FLUSH REMAINING RESIDUE WITH LARGE VOLUME OF WATER.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF PAIN PERSISTS CONTACT A PHYSICIAN
INHALATION-MOVE VICTIM TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.
INGESTION-DO NOT INDUCE VOMITING. DRINK MILK, EGG WHITES, GELATINE SOLUTION OR WATER. CALL A PHYSICIAN.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	8	1760	III

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM CHILDREN.

STORAGE REQUIREMENTS: STORE IN TIGHTLY SEALED CONTAINERS IN A COOL, DRY PLACE.

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: NOVEMBER 22, 2002

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