



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: B3, E

MATERIAL REFERENCE NO: 104900

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: AUTOSOL	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: AUTO/TRUCK RENOVATOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 RAT, ORAL
SODIUM METASILICATE	5.0-10.0	NONE	6834-92-0	1153 MG/KG
DIPROPYLENE GLYCOL METHYL ETHER	1.0- 5.0	100	34590-94-8	5400 uL/KG
ISOPROPYL ALCOHOL	3.0- 7.0	400	67-63-0	5045 MG/KG
SODIUM DODECYLBENZENE SULFONATE	1.0-5.0	1000	25155-30-0	3000 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, GREENISH-YELLOW LIQUID; SASSAFRAS ODOUR		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.04	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE (WATER = 1) 1	SOLUBILITY IN WATER COMPLETE (20 ø C)
BOILING POINT (C) ~93.3	FREEZING POINT (C) <0 (EST.)	% VOLATILE (BY WEIGHT) 92
pH (10% SOLUTION) 12.0-12.5	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: FLAMMABLE		
IF YES, UNDER WHICH CONDITIONS: VAPOURS FROM A SEALED CONTAINER MAY BE FLAMMABLE. NON FLAMMABLE WHEN USED AS DIRECTED.		
MEANS OF EXTINCTION: WATER FOG, CHEMICAL FOAM, CO2		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED DRUMS WITH WATER.		
FLASH POINT (C) AND METHOD: 38.6 (TAG CLOSED CUP)		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, TRACE OF SULPHUR DIOXIDE, TOXIC 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: YES		
IF NO, UNDER WHICH CONDITIONS:		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES		
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, STRONG ACIDS OR OTHER REACTIVE MATERIALS.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED		
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN YIELD CARBON DIOXIDE, CARBON MONOXIDE, TRACE OF SULPHUR, TOXIC 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-CONCENTRATE MAY CAUSE MODERATE IRRITATION, STINGING OR BURNING SENSATION TEARING.
SKIN-CONCENTRATE MAY CAUSE MODERATE IRRITATION, ITCHING, INFLAMMATION.
INHALATION-CONCENTRATED VAPOURS MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT, COUGHING, DIZZINESS.
INGESTION-MAY CAUSE IRRITATION OF GASTROINTESTINAL TRACT, BURNING SENSATION OF LIPS, MOUTH AND THROAT, PAIN IN SWALLOWING, ABUNDANT SALIVATION, STOMACH CRAMPS, NAUSEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
EYES-EXCESSIVE CONTACT MAY CAUSE CONJUNCTIVITIS, IRREPARABLE DAMAGE OF MUCOUS MEMBRANES, EYE DAMAGE.
SKIN-CONTACT MAY CAUSE DRYING AND CRACKING OF SKIN.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL MODERATE
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL WHEN HANDLING CONCENTRATE.
RESPIRATORY: APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR IF TLV IS EXCEEDED.
EYE: SAFETY GOGGLES RECOMMENDED.
FOOTWEAR: NO SPECIAL REQUIREMENTS.
CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN.
OTHER: EYE WASH, SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NATURAL IS NORMALLY SUFFICIENT IN USE AREAS. PROVIDE LOCAL VENTILATION IN CONFINED OR POORLY VENTILATED AREAS TO MAINTAIN AIRBORNE CONCENTRATIONS WITHIN RECOMMENDED LIMITS.

LEAK AND SPILL PROCEDURE: ELIMINATE IGNITION SOURCES. CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING PRODUCT ONTO SUITABLE ABSORBANT. SCOOP UP AND PLACE IN 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-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.
INHALTION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.
INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE COLD WATER TO RINSE MOUTH. DO NOT GIVE ANYTHING 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	CLASS	UN NO.	PACKING GROUP
NOT REGULATED			
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. AVOID IGNITION SOURCES. WASH THOROUGHLY AFTER HANDLING.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING.			
SPECIAL SHIPPING INFORMATION: HEATED			

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
2	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVISED: MARCH 31, 2009	REPLACES: DECEMBER 19, 2005

DISCLAIMER:

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