



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

MATERIAL REFERENCE NO: 241300

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: NEW PLUS	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CAR WASH AND WAX	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
TRIETHANOLAMINE	1.0-5.0	NOT AVAILABLE	7757-82-6	2570 MG/KG
DIETHANOLAMIDE	1.0-5.0	3	111-42-2	710 MG/KG
DODECYL BENZENE SULPHONIC ACID	5.0-10.0	NOT AVAILABLE	27176-87-0	919 MG/KG
COCONUT DIETHANOL- AMIDE	1.0-5.0	NOT AVAILABLE	68603-42-9	2727 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, YELLOW LIQUID; VANILLA ODOUR		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.031	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE (WATER = 1) ~ 1	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) 100	FREEZING POINT (C) APPROX. 0	% VOLATILE (BY WEIGHT) 85
pH (10% SOLUTION) 7.5-8.0	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: AS FOR SURROUNDING MATERIALS		
SPECIAL PROCEDURES: AS FOR SURROUNDING MATERIALS 		
FLASH POINT (C) AND METHOD: MINIMUM 100 (TCC)		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES, AMMONIA,		
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: STABLE IF NO, UNDER WHICH CONDITIONS:
INCOMPATIBILITY TO OTHER SUBSTANCES: YES IF SO, WHICH ONES: STRONG ACIDS, STRONG OXIDIZING AGENTS, REDUCING AGENTS, STRONG ACIDS, STRONG ALKALIS.
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED HAZARDOUS POLYMERIZATION WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE CARBON DIOXIDE, CARBON MONOXIDE, NITROUS OXIDES, AMMONIA.

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-CONTACT MAY CAUSE IRRITATION.
SKIN-PROLONGED AND REPEATED CONTACT WITH CONCENTRATE MAY CAUSE IRRITATION, DRYING AND CRACKING OF SKIN.
INHALATION-PROLONGED EXPOSURE TO HIGH CONCENTRATIONS OF MIST MAY CAUSE IRRITATION OF EYES, NOSE AND THROAT AND RESPIRATORY TRACT.
INGESTION-MAY CAUSE IRRITATION OF LIPS, MOUTH AND THROAT, RESPIRATORY TRACT AND ESOPHAGUS. INGESTION OF SIGNIFICANT AMOUNTS CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, KIDNEY AND LIVER DAMAGE.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
EYES: PROLONGED OR REPEATED EXPOSURES LIQUID OR HIGH LEVELS OF MIST MAY PRODUCE TISSUE DAMAGE OF MUCOUS MEMBRANES.
SKIN-PROLONGED CONTACT WITH CONCENTRATE MAY RESULT IN DEFATTING, DERMATITIS.

LD 50 OF MATL. 6324 MG/KG (CALCULATED)	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL MODERATE EYE AND SKIN IRRITANT.
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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: NONE FOR NORMAL PRODUCT USE
EYE: CHEMICAL GOGGLES OR FACE SHIELD IF CONTACT IS LIKELY
FOOTWEAR: NO SPECIAL REQUIREMENTS
CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED TISSUE.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE FOR NORMAL PRODUCT USE. MECHANICAL IN CONFINED AREAS.

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. ABSORB RESIDUAL ONTO INERT ABSORBENT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. LAUNDER CLOTHING BEFORE REUSE.
INHALATION-REMOVE TO FRESH AIR.
INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF MILK OR WATER. IF VOMITING OCCURS GIVE FLUIDS AGAIN. 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.	PG
NOT REGULATED			

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

STORAGE REQUIREMENTS: STORE IN A COOL 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
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: MAY 15, 2003

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