



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:
B2, D1A, D1B, E

MATERIAL REFERENCE NO: 251800

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: PREP	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: AMMONIATED FLOOR STRIPPER AND RENOVATOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 RAT, ORAL	
SODIUM METASILICATE	3.0-7.0	NONE	6834-92-0	1280 MG/KG	
AMINO ALCOHOL	0.5-1.5	NONE	124-68-5	NOT AVAILABLE	
AMMONIA	1.0-1.5	25	7664-41-7	NOT AVAILABLE	
BUTYL CELLOSOLVE	1.0-5.0	20	111-76-2	470 MG/KG	
ISOPROPYL ALCOHOL	3.0-7.0	400	67-63-0	5045 MG/KG	
SALT OF DODECYL-	1.0-5.0	NOT	25155-30-0	1000 MG/KG	
BENZENE SULPHONATE		AVAILABLE			

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: CLEAR, ORANGE LIQUID; AMMONIA ODOUR.			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	1.04	760 AT 20 (C)	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
> 1	(WATER = 1) 1	COMPLETE (20 ø C)	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
93.3	0 (EST.)	92	
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR	
12.0-12.5	NOT APPLICABLE	NOT AVAILABLE	



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: YES			
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: 34.4 (TAG CLOSED CUP)			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
TRACE OF SULPHUR DIOXIDE, OXIDES OF NITROGEN, 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: YES			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS OR OTHER REACTIVE MATERIALS. STRONG			
OXIDIZING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
TRACE OF SULPHUR, AMMONIA.			

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 STINGING, IRRITATION, TEARING. |
|SKIN-CONCENTRATE MAY CAUSE IRRITATION, ITCHING OR TINGLING, |
|INFLAMMATION. |
|INHALATION-CONCENTRATED VAPOURS MAY CAUSE IRRITATION OF NOSE, EYES |
|AND THROAT, COUGHING, DIZZINESS. |
|INGESTION-MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH |
|AND THROAT, PAIN IN SWALLOWING, GASTROINTESTINAL IRRITATION, |
|ABUNDANT SALIVATION, STOMACH CRAMPS, NAUSEA. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|EYES-PROLONGED OR REPEATED CONTACT MAY CAUSE CONJUNCTIVITIS, BURNS |
|AND IRREPARABLE DAMAGE OF MUCOUS MEMBRANES, ULCERATION OF EYES. |
|SKIN-CONTACT MAY CAUSE SEVERE IRRITATION, DEFATTING, DERMITITIS, |
|INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, |
|DIARRHEA, STATE OF SHOCK, POSSIBLE UNCONSCIOUSNESS, COMA. |
| |

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | MODERATE |

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
| NOT AVAILABLE | NOT AVAILABLE |

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |
|BUTYL CELLOSOLVE IS LISTED BY ACGIH AS A3-CARCINOGEN-CONFIRMED |
|ANIMAL CARCINOGEN WITH UNKNOWN RELEVANCE TO HUMANS. BUTYL CELLOSOLVE |
|IS A HEMOLITIC AGENT CHARACTERIZED BY A REDUCTION OF RED BLOOD CELLS |
|AND BLOOD IN THE URINE. |

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR VINYL WHEN HANDLING CONCENTRATE |
|RESPIRATORY: NOT NORMALLY REQUIRED |
| EYE: FACE SHIELD OR SAFETY GOGGLES IF SLASHING MAY OCCUR |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED TISSUE. |
| OTHER: EYE WASH, SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NATURAL IS |
| NORMALLY SUFFICIENT. PROVIDE LOCAL VENTILATION IN CONFINED AREAS |
| OR IF TLV IS EXCEEDED. |

|LEAK AND SPILL PROCEDURE: REMOVE IGNITION SOURCES. CONTAIN SPILL. |
|TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB |
|REMAINDER ONTO INERT ABSORBANT 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 WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF PAIN OR IRRITATION PERSISTS.
SKIN-REMOVE AND WASH CONTAMINATED CLOTHING. FLUSH AFFECTED AREA FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
INHALATION-MOVE VICTIM TO FRESH AIR AND LOOSEN CLOTHING. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET MEDICAL ATTENTION.
INGESTION- IF SWALLOWED DO NOT INDUCE VOMITING. GIVE COLD WATER OR ICE TO RINSE MOUTH. GIVE WATER, VINEGAR OR FRUIT JUICE. 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. AVOID IGNITION SOURCES. DO NOT MIX WITH ACIDS. KEEP CONTAINER CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM FREEZING.

SPECIAL SHIPPING INFORMATION: HEATED

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
3	0	2

SECTION XI - PREPARATION DATE OF MSDS

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

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