



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 D1A, D2B

MATERIAL REFERENCE NO: 101500

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: CARPET EXTRACTOR SHAMPOO	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: BLENDED PRODUCT
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CARPET SHAMPOO	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM METASILICATE	1.0-5.0	NONE	6834-92-0	770 MG/KG
SODIUM DODECYL BENZENE SULFONATE	1.0-5.0	10 MG/M3	25255-30-0	1280 MG/KG
2-BUTOXYETHANOL	3.0-7.0	25 PPM	111-76-2	1480 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: BLUISH GREEN LIQUID, TYPICAL MILD ODOUR		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT ESTABLISHED	1.060	NOT ESTABLISHED
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT ESTABLISHED	SAME AS WATER	(20°C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY VOLUME)
100 ESTIMATED	0 ESTIMATED	> 80
pH (100% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
12.6	NOT APPLICABLE	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 APPROPRIATE FOR SURROUNDING FIRE			
SPECIAL PROCEDURES: NONE APPLICABLE			
FLASH POINT (C) AND METHOD: NON-COMBUSTIBLE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, PHOSPHOROUS AND			
SILICA, UNIDENTIFIED ORGANIC COMPOUNDS.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT AVAILABLE NOT APPLICABLE NOT APPLICABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, ACIDS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE			
OFF OXIDES OF CARBON, PHOSPHOROUS AND SILICA, UNIDENTIFIED ORGANICS			

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-CONTACT CAN CAUSE IRRITATION. |
|SKIN-CONTACT CAN CAUSE IRRITATION, REDNESS, ITCHING. |
|INHALATION-EXCESSIVE INHALATION OF VERY HIGH CONCENTRATIONS MAY |
| CAUSE HEADACHES, DIZZINESS. |
|INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING. |
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|MAY CAUSE DRYING OF THE SKIN. |
| |
|CONTAINS 2-BUTOXYETHANOL-A HEMOLITIC AGENT CHARACTERIZED BY A |
|REDUCTION OF RED BLOOD CELLS AND POSSIBLE BLOOD IN THE URINE. |
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| |

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMITS|IRRITANCY OF MATL|
|17.4 G/KG(CALC) |RAT 4HR/11,364PPM|NOT ESTABLISHED| MODERATE |

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

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
| |
| NONE KNOWN |
| |

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: GLOVES & GLASSES IF USING CONCENTRATE|

| GLOVES: RUBBER / VINYL / PVA |
|RESPIRATORY: NOT REQUIRED FOR NORMAL USE |
| EYE: SAFETY GOGGLES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS. |
| CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN. |
| OTHER: EYEWASH AND SAFETY SHOWER. |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL |
| FOR CONFINED SPACES. |

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL. PROVIDE ADEQUATE |
|VENTILATION. TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. |
|ABSORB RESIDUAL ONTO INERT ABSORBENT AND SCOOP INTO DISPOSAL CONT. |
|FLUSH RESIDUAL WITH LARGE VOLUME OF WATER. |

|WASTE DISPOSAL: |
|DISPOSE OF THROUGH A LICENSED DISPOSAL FACILITY IN ACCORDANCE WITH |
|LOCAL, PROVINCIAL AND FEDERAL REGULATIONS. |



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |
| EYE CONTACT-FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 |
| MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. |
| SKIN CONTACT-FLUSH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION |
| PERSISTS, SEEK MEDICAL ATTENTION. |
| INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK |
| MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS |
| VICTIM. GET MEDICAL ATTENTION IMMEDIATELY. |
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| |

| 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. WASH THOROUGHLY AFTER HANDLING. |
| |

| STORAGE REQUIREMENTS: |
| STORE IN A COOL DRY PLACE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. |
| |

| SPECIAL SHIPPING INFORMATION: NONE |

SECTION X - HAZARD RATING INFORMATION

| FLAMMABILITY | REACTIVITY | HEALTH |
| 0 | 0 | 2 |

SECTION XI - PREPARATION DATE OF MSDS

| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 |
| REVIEWED: OCTOBER 1, 2009 |

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