



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: 711400

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMSURF 114	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: SURFACTANT BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE	
MATERIAL USE: INDUSTRIAL SURFACTANTS	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
POLYOXYETHYLENE	3.0-7.0	NO DATA	9003-11-6	NO DATA
POLYOXYPROPYLENE				
BLOCK CO-POLYMER				
POLYOXYETHYLENE	3.0-7.0	NO DATA	53637-25-5	NO DATA
POLYOXYPROPYLENE				
GLYCOL				
SODIUM COCOAMPHO	1.0-5.0	NO DATA	68298-20-4	NO DATA
PROPIANOATE				
BALANCE NOT CONTROLLED				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, ORANGE COLOURED LIQUID; ODOURLESS.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.02-1.04	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT ESTABLISHED	NOT AVAILABLE	(20°C) MISCIBLE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
> 98 C	NOT AVAILABLE	> 95
pH (100% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
7.5-9.0	NOT APPLICABLE	NOT AVAILABLE



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 711400

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO2, WATER FOG			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
OXIDES OF SULPHUR.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT APPLICABLE NOT APPLICABLE NOT AVAILABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE			

SECTION V - REACTIVITY DATA

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

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES			
SKIN ABSORPTION: NO			
EYE CONTACT: YES			
INHALATION: NO			
INGESTION: YES			



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 711400

|EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
|EYES-MAY CAUSE EYE IRRITATION, REDDNESS, DISCHARGE. |
| |
|SKIN-CONTACT MAY CAUSE SKIN IRRITATION. |
| |
|INGESTION-MAY CAUSE NAUSEA, VOMITING, SICKNESS. |
| |
| |
| |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|NONE KNOWN |
| |
| |
| |

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	SKIN AND EYE
			IRRITANT

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
| NOT AVAILABLE | NONE KNOWN |

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

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR VITON IF REQUIRED |
|RESPIRATORY: NOT NORMALLY REQUIRED. |
| EYE: CHEMICAL GOGGLES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL |
| VENTILATION IN CONFINED SPACES OR WHEN TLV IS EXCEEDED. |

|LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT. |
|SMALL SPILLS CAN BE FLUSHED THOROUGHLY WITH WATER. |
|LARGE SPILLS-CONTAIN SPILL. TRANSFER TO SUITABLE CONTAINER FOR REUSE |
|OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO ABSORBENT AND SCOOP INTO |
|DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER. |

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



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 711400

SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.
SKIN-FLUSH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
INHALATION-REMOVE TO FRESH AIR.
INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. GIVE MILK OR WATER. CONSULT A PHYSICIAN. DO NOT GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

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, AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NON-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
PREPARATION DATE: OCTOBER 10, 2009

DISCLAIMER:

THE INFORMATION CONTAINED HEREIN IS COMPILED FROM SOURCES BELIEVED TO BE RELIABLE. THE MANNER AND CONDITIONS OF USE AND HANDLING MAY INVOLVE OTHER AND ADDITIONAL CONSIDERATIONS. WE ACCEPT NO RESPONSIBILITY FOR THE ACCURACY, SUFFICIENCY, RELIABILITY OR FOR ANY LOSS OR INJURY RESULTING FROM THE USE OF THE INFORMATION.