

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



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE	
IF YES, UNDER WHICH CONDITIONS:	
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO ₂ , 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
INHALATION: NO	INGESTION: YES



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|EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
|EYES-MAY CAUSE EYE IRRITATION, REDNESS, 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.
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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

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