



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, C, D1B, D2B

MATERIAL REFERENCE NO: 116100

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: DRENCH	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: WETTING AGENT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
NONYL PHENOL	10.0-30.0	NOT	9016-92-0	2500 MG/KG
ETHOXYLATE		AVAILABLE		
SODIUM DODECYL	1.0-5.0	NOT	1322-98-1	1260 MG/KG
BENZENE SULPHONATE		AVAILABLE		
TRIETHANOLAMINE	1.0-5.0	NOT	NOT	NOT
DODECYL BENZENE		AVAILABLE	AVAILABLE	AVAILABLE
ISOPROPANOL	5.0-10.0	400	67-63-0	5045 MG/KG
SODIUM NITRITE	5.0-10.0	NOT	7632-00-0	180 MG/KG
		AVAILABLE		

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: OPAQUE, PINK LIQUID; LEMON ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
500 PPM	1.042	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	(WATER = 1) 1	(20°C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	77
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
7.4-7.6	NOT APPLICABLE	NOT AVAILABLE



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS: VAPOURS FROM A SEALED CONTAINER MAY			
BE IGNITED BY A FLAME, SPARK OR IGNITION SOURCE.			
MEANS OF EXTINCTION: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: MINIMUM 33.9 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON AND SULPHUR AND			
SMALL AMOUNTS OF OXIDES OF NITROGEN.			
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: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS, STRONG OXIDIZING AND REDUCING			
AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN GIVE			
OXIDES OF CARBON, SULPHUR AND NITROGEN.			

SECTION VI - HEALTH HAZARD DATA

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



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT MAY CAUSE STINGING OR BURNING, INTENSE WATERING,
CONJUNCTIVITIS.
SKIN-CONTACT MAY CAUSE REDNESS AND SWELLING, ITCHING, TINGLING
SENSATION.
INHALATION-IF MISTED, CAUSES IRRITATION OF MUCOUS MEMBRANES,
COUGHING, AND DIFFICULTY IN BREATHING.
INGESTION-MAY CAUSE IRRITATION OF LIPS, MOUTH AND THROAT, NAUSEA,
VOMITING AND DIARRHEA. CONTAINS SODIUM NITRITE WHICH AT
10,000 MG/L IS FATAL TO HUMANS IN 1.5 HOURS AND AT 7.5 MG/L IS
FATAL TO HUMANS IN 48-96 HOURS.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
SKIN-IRRITATION OR DERMITITIS MAY OCCUR UPON FREQUENT OR PROLONGED
CONTACT.

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

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NOT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH OR IARC.
REPRODUCTIVE, TERATOGENICITY OR MUTAGENICITY-NOT AVAILABLE.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR PLASTIC
RESPIRATORY: NOT NORMALLY REQUIRED
EYE: CHEMICAL GOGGLES
FOOTWEAR: IMPERVIOUS
CLOTHING: ADEQUATE TO PROTECT SKIN.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): ADEQUATE
TO MAINTAIN TLV BELOW 500 PPM.

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. PUMP INTO CONTAINER FOR
RECLAIM OR DISPOSAL. FLUSH REMAINING RESIDUE TO SEWER WITH VOLUMES
OF WATER.

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



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 |
| MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. |
| INGESTION-IF SWALLOWED INDUCE VOMITING BY GIVING ONE OR TWO GLASSES |
| OF WATER AND STICKING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING |
| BYMOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION. |
| SKIN-FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION OR REDNESS |
| PERSIST GET MEDICAL ASSISTANCE. |
| INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |
| OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN |
| GIVE OXYGEN. GET MEDICAL ASSISTANCE. |

| 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
FLAMMABLE LIQUIDS, N.O.S.	3	1993	III
(ISOPROPYL ALCOHOL)			

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. |
| REMOVE IGNITION SOURCES BEFORE OPENING CONTAINER. WASH THOROUGHLY |
| AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM |
| INCOMPATIBLES. 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 2, 2009 |

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