



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: B3, D2B

MATERIAL REFERENCE NO: 128100

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: EMULSIT II	
CHEMICAL NAME: MIXTURE	CHEMICAL FAMILY: SOLVENT BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: OIL AND GREASE SPILL PENETRANT AND EMULSIFIER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
4-ISOPROPENYL-1- METHYLCYCLOHEXANE	30.0-60.0	NO DATA	5989-27-5	4400 MG/KG
ISOPROPYLAMINE DODECYL- BENZENE SULFONATE	5.0-10.0	NO DATA	26264-05-1	NO DATA
MINERAL SPIRITS	20.0-40.0	NO DATA	64742-88-7	>5000 MG/KG
BALANCE NOT CONTROLLED				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: CLEAR AMBER LIQUID; CITRUS/SOLVENT ODOUR			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM HG)	
NOT AVAILABLE	0.86	NOT AVAILABLE	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
NOT AVAILABLE	(WATER=1) >1	(20 ø C) MODERATE	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
154 - 167	NOT AVAILABLE	NOT AVAILABLE	
pH (1.0% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR	
NOT APPLICABLE	NOT APPLICABLE	NOT AVAILABLE	



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: COMBUSTIBLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: FOAM, WATER FOG, DRY CHEMICAL, CARBON DIOXIDE.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. VAPOURS ARE HEAVIER THAN AIR AND MAY			
TRAVEL TO AN IGNITION SOURCE.			
FLASH POINT (C) AND METHOD: 43 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROGEN AND			
SULPHUR, SMOKE, UNIDENTIFIED ORGANIC COMPOUNDS.			
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: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG			
REDUCING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NO DATA AVAILABLE.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN YIELD			
OXIDES OF CARBON, NITROGEN AND SULPHUR, SMOKE, UNIDENTIFIED ORGANIC			
COMPOUNDS.			

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:
EYE CONTACT-CAUSES IRRITATION, REDNESS, TEARING, POSSIBLE CORNEAL DAMAGE. VAPOURS CAN BE MODERATELY IRRITATING.
SKIN CONTACT-MAY CAUSE MODERATE TO SEVERE IRRITATION.
INHALATION-EXCESSIVE OR PROLONGED BREATHING OF MIST OR VAPOUR CAN CAUSE IRRITATION OF THROAT, LUNGS AND PULMONARY TRACT.
INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
SKIN: PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING AND DEFATTING OF SKIN.
REPEATED OR PROLONGED EXPOSURES TO HIGH CONCENTRATIONS MAY CAUSE KIDNEY AND NEURAL DYSFUNCTION.

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

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR NEOPRENE
RESPIRATORY: NONE FOR NORMAL USE. WEAR NIOSH APPROVED ORGANIC VAPOUR CANISTER AS REQUIRED.
EYES: CHEMICAL GOGGLES IF SPLASHING IS LIKELY.
FOOTWEAR: IMPERVIOUS IF HANDLING LARGE QUANTITIES OR HANDLING FREQUENTLY.
CLOTHING: IMPERVIOUS IF HANDLING LARGE QUANTITIES OR HANDLING FREQUENTLY.
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS: LOCAL EXHAUST FOR LARGE SCALE OR ELEVATED USE OR FOR USE IN CONFINED AREAS TO MAINTAIN TLV WITHIN ACCEPTABLE LIMITS.

LEAK AND SPILL PROCEDURE: CONTAIN SPILL. PROVIDE ADEQUATE VENTILATION. ELIMINATE IGNITION SOURCES. TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. WASH SURFACE THOROUGHLY WITH SOAP AND WATER TO REMOVE RESIDUAL MATERIAL.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:	
EYES-HOLD EYELIDS OPEN AND WASH THOROUGHLY WITH CLEAN WATER FOR AT	
LEAST 15 MINUTES. GET MEDICAL HELP PROMPTLY.	
SKIN-REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH THOROUGHLY	
WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION	
IF SYMPTOMS PERSIST OR OCCUR. LAUNDER CLOTHING BEFORE REUSE.	
INHALATION-REMOVE PERSON TO FRESH AIR. GET MEDICAL ATTENTION IF	
SYMPTOMS OCCUR OR PERSIST.	
INGESTION-DO NOT INDUCE VOMITING. DO NOT GIVE FLUIDS IF VICTIM IS	
CONVULSING OR IS UNCONSCIOUS. 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	PACKING GROUP	
FLAMMABLE LIQUIDS, N.O.S.	3	1993	III	
(TERPENES)				
NOT REGULATED IN CONTAINERS LESS THAN 450 LITRES				
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND				
CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER				
HANDLING.				
STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA				
AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN				
USE. KEEP OUT OF SUN AND AWAY FROM DIRECT IGNITION SOURCES.				
SPECIAL SHIPPING INFORMATION: NONE				

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH	
2	0	2	

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444	
REVISED: OCTOBER 2, 2009	REPLACES: JANUARY 11, 2006	

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