



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, D1A, D2A, D2B

MATERIAL REFERENCE NO: 128000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: EMULS-IT	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: SOLVENT BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: OIL AND GREASE EMULSIFIER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
NONYL PHENOL	1.0-5.0	NOT	9016-45-9	2500 MG/KG
ETHOXYLATE		AVAILABLE		
BUTYL CELLOSOLVE	1.0-5.0	25	111-76-2	174 MG/KG
DICHLOROMETHANE	7.0-13.0	100	75-09-2	1600 MG/KG
KEROSENE	60.0-100.0	5 MG/M3	64742-47-8	>5000 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, LIGHT RED LIQUID; SOLVENT ODOUR		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
450	0.865	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	(KEROSENE=1) 0.9	(20 ° C) EMULSIFIES
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	90
pH (10% 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: WATER FOG, CARBON DIOXIDE, FOAM DRY CHEMICAL.		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-		
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED DRUMS WITH WATER.		
FLASH POINT (C) AND METHOD: 74 (TCC)		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,		
TRACE AMOUNTS OF HYDROGEN CHLORIDE AND PHOSGENE, HYDROCARBON FUMES.		
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 OXIDIZING AGENTS, ALKALIES AND MINERAL		
ACIDS.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE		
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE		
POSSIBLY SMALL AMOUNTS OF PHOSGENE AND CHLORINE.		

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 MAY CAUSE IRRITATION.			
SKIN-CONTACT MAY CAUSE IRRITATION, DEFATTING, DERMATITIS.			
INHALATION-CAN CAUSE HEADACHE, NAUSEA, DIZZINESS, ANESTHESIA.			
INGESTION-CAN CAUSE HEADACHE, NAUSEA, DIZZINESS, ANESTHESIA. MAY			
AFFECT THOSE WITH HEART CONDITIONS			

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:			
EXCESSIVE INGESTION-CAN CAUSE GASTRO-INTESTINAL DISTURBANCES AND			
CENTRAL NERVOUS SYSTEM DEPRESSION.			

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

SENSITIZATION OF MATERIAL		SYNERGISTIC MATERIALS	
NOT AVAILABLE		NOT AVAILABLE	

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:			
CONTAINS METHYLENE CHLORIDE WHICH HAS BEEN SHOWN TO CAUSE CANCER IN			
CERTAIN LABORATORY ANIMALS. MAY ALSO AFFECT THOSE WITH HEART			
CONDITIONS.			

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:
GLOVES: IMPERVIOUS (i.e. RUBBER) RESPIRATORY: NOT NORMALLY REQUIRED. FOR PROLONGED EXPOSURES OR IF TLV IS EXCEEDED, USE APPROVED ORGANIC CANISTER OR SELF CONTAINED BREATHING APPARATUS. EYE: CHEMICAL GOGGLES. FOOTWEAR: IMPERMEABLE. CLOTHING: IMPERMEABLE. 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: ELIMINATE SOURCES OF IGNITION. CONTAIN SPILL. RECLAIM IF POSSIBLE, OR ABSORB ONTO ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL. KEEP AWAY FROM SEWERS AND WATERWAYS.
WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH IMMEDIATELY WITH RUNNING WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSISTS, GET MEDICAL ASSISTANCE.
SKIN-WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ASSISTANCE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE.
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF NOT BREATHING ADMINISTER ARTIFICIAL RESPIRATION, THEN GIVE OXYGEN. GET MEDICAL ASSISTANCE.
INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
TOXIC LIQUID, ORGANIC, N.O.S. (DICHLOROMETHANE)	6.1	2810	III

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOURS. USE IN WELL-VENTILATED AREAS ONLY
WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN TIGHTLY SEALED CONTAINERS IN A COOL, DRY, WELL-VENTILATED AREA.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444

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