



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5

EMERGENCY # (905) 456-9444
CANUTEC # (613) 996-6666
W.H.M.I.S. CLASSIFICATION
D2B

MATERIAL REFERENCE NO: 108000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D : BLUE HORNET	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : SOLVENT CLEANER
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: HAND CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
ODORLESS MINERAL SPIRITS	7.0-13.0	NO DATA	64741-65-7	>8000 MG/KG
D'LIMONENE	1.0-5.0	NO DATA	5989-27-5	4400 MG/KG
NON-IONIC SURFACTANTS (PROPRIETARY BLEND)	5.0-10.0	NO DATA	MIXTURE	NO DATA

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: THICK, BLUE LIQUID; MILD CITRUS ODOUR.		
ODOUR THRESHOLD (PPM) NOT ESTABLISHED	SPECIFIC GRAVITY 1.038	VAPOUR PRESSURE (MM) NOT ESTABLISHED
VAPOUR DENSITY (AIR=1) NOT ESTABLISHED	EVAPORATION RATE NOT ESTABLISHED	SOLUBILITY IN WATER (25°C) EMULSIFIABLE
BOILING POINT (C) NOT ESTABLISHED	FREEZING POINT (C) NOT ESTABLISHED	% VOLATILE (BY WEIGHT) NOT AVAILABLE
pH (100% SOLUTION) 6.0 - 8.0	DENSITY (G/ML) NOT APPLICABLE	COEF.OF WATER/OIL DISTR NOT AVAILABLE



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 108000

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: AS FOR SURROUNDING MATERIALS			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCULDING SELF-			
CONTAINED BREATHING APPARATUS FOR ALL CHEMICAL FIRES.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE			
FUMES, SMOKE.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP(C)			
NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NONE NOT APPLICABLE NOT APPLICABLE			
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 ACIDS AND BASES.			
REACTIVITY AND UNDER WHAT CONDITIONS: NONE KNOWN.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN			

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: 108000

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:			
EYES-CONTACT MAY CAUSE IRRITATION.			
SKIN-CONTACT MAY CAUSE IRRITATION IF NOT RINSED OFF.			
INHALATION-NON-VOLATILE. NOT CONSIDERED A RISK.			
INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION. MAY CAUSE SERIOUS HARM IF LARGE AMOUNTS ARE INGESTED.			

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:			
PROLONGED OR EXCESSIVE CONTACT WITH SKIN MAY CAUSE DRYING AND DEFATTING OF THE SKIN RESULTING IN SKIN IRRITATION AND DERMATITIS.			

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:			
NONE KNOWN			

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	
GLOVES: NONE FOR NORMAL USE. RESPIRATORY: NOT REQUIRED EYE: NOT REQUIRED FOR NORMAL USE FOOTWEAR: NO SPECIAL REQUIREMENTS CLOTHING: NO SPECIAL REQUIREMENTS OTHER: EYE WASH ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE FOR NORMAL USE.	
LEAK AND SPILL PROCEDURE: SMALL SPILLS SHOULD BE FLUSHED WITH LARGE VOLUMES OF WATER. LARGE SPILLS SHOULD BE COLLECTED FOR RECLAIM OR DISPOSAL. FLUSH AREA WITH VOLUMES OF WATER. SURFACE WILL BE SLIPPERY IF RESIDUAL PRODUCT IS NOT CLEANED UP.	
WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS	



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 108000

SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
SKIN-RINSE THOROUGHLY WITH CLEAN WATER. CONTACT A PHYSICIAN IF IRRITATION OCCURS.
INGESTION-INDUCE VOMITING. RINSE MOUTH WITH WATER. SEEK MEDICAL ATTENTION.

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

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	P.I.N.	PACKING GROUP
NOT REGULATED			

HANDLING PROCEDURES AND EQUIPMENT: DO NOT CONTAMINATE CONTENTS.

STORAGE REQUIREMENTS: KEEP FROM FREEZING. STORE AT TEMPERATURES BETWEEN 1 AND 30 °C. FREEZING WILL NOT AFFECT PRODUCT PERFORMANCE BUT WILL CHANGE COLOUR. LOOSEN LID IF PRODUCT IS STORED AT ELEVATE TEMPERATURES.

SPECIAL SHIPPING INFORMATION: 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
Sept. 16, 2001

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.