



# 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: 126000

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: ECOLO CLEANER	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: BLENDED PRODUCT
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CLEANER, DEGREASER, DEODORIZER	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS   INGREDIENTS	APPROX.   % CONCENT.	TLV   PPM	C.A.S.   NUMBERS	LD 50   ORAL, RAT
D-LIMONENE	5.0-10.0	NOT   AVAILABLE	5989-27-5	4400 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, FLUORESCENT YELLOW LIQUID, LEMON ODOUR.		
ODOUR THRESHOLD (PPM)   NOT ESTABLISHED	SPECIFIC GRAVITY   1.019	VAPOUR PRESSURE (MM)   NOT AVAILABLE
VAPOUR DENSITY (AIR=1)   NOT AVAILABLE	EVAPORATION RATE   SAME AS WATER	SOLUBILITY IN WATER   (20°C) SOLUBLE
BOILING POINT (C)   100 (EST.)	FREEZING POINT (C)   0 (EST.)	% VOLATILE (BY WEIGHT)   > 65
pH (100% SOLUTION)   7.1	DENSITY (G/ML)   NOT APPLICABLE	COEF.OF WATER/OIL DISTR   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: AS FOR SURROUNDING MATERIALS. 		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-   CONTAINED BREATHING APPARATUS. 		
FLASH POINT (C) AND METHOD: NOT APPLICABLE 		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, SMOKE. 		
UPPER EXPLOSION LIMIT   NOT AVAILABLE	LOWER EXPLOSION LIMIT   NOT AVAILABLE	AUTOIGNITION TEMP(C)   NOT AVAILABLE
EXPLOSION DATA SENSITIVITY   TO CHEMICAL IMPACT   NOT AVAILABLE	RATE OF BURNING   NOT AVAILABLE	EXPLOSIVE POWER   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: ACIDIC SUBSTANCES, OXIDANTS, ETC. 		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED 		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL YIELD   OXIDES OF CARBON, SMOKE. 		

## SECTION VI - HEALTH HAZARD DATA

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



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
EYES-CONTACT MAY CAUSE IRRITATION TO EYES AND MUCOUS MEMBRANES.  
SKIN-CONTACT CAN CAUSE IRRITATION.  
INHALATION OF HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF NOSE,  
THROAT AND LUNGS.  
INGESTION-MAY CAUSE NAUSEA, VOMITING AND WEAKNESS.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
SKIN-PROLONGED OR REPEATED EXPOSURE MAY CAUSE DEFATTING AND DRYING  
OF SKIN RESULTING IN IRRITATION AND DERMATITIS.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL MODERATE
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:  
NONE KNOWN

## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL FOR PROLONGED CONTACT  
RESPIRATORY: VAPOUR MASK IF MISTY CONDITIONS PREVAIL  
EYE | SAFETY GOGGLES  
FOOTWEAR: ADEQUATE TO PROTECT SKIN  
CLOTHING: ADEQUATE TO PROTECT SKIN  
OTHER: EYE WASH AND SAFETY SHOWER  
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NOT  
NORMALLY REQUIRED.

LEAK AND SPILL PROCEDURE: SMALL SPILLS-FLUSH WITH LARGE QUANTITIES  
OF WATER.  
LARGE SPILLS-SHOULD BE COLLECTED FOR REUSE OR DISPOSAL. ABSORB  
REMAINING MATERIAL ONTO INERT ABSORBENT AND SCOOP INTO DISPOSAL  
CONTAINER. FLUSH RESIDUAL 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-FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ASSISTANCE.
SKIN-WASH IMMEDIATELY WITH SOAP AND WATER. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.
INHALATION-REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DRINK MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN IMMEDIATELY.
SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS
ADDITIONAL INFORMATION: NONE

## SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME NOT REGULATED	CLASS	UN NO.	PACKING GROUP
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.			
SPECIAL SHIPPING INFORMATION: NONE			

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY 0	REACTIVITY 0	HEALTH 1
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## SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVIEWED: SEPTEMBER 23, 2003	

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