



# 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, D1B, D2A, D2B

MATERIAL REFERENCE NO: 235000

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: LECTRASOL	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: SOLVENT BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: NON FLAMMABLE SELECTIVE SOLVENT	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 RAT, ORAL
METHYLENE CHLORIDE	30.0-60.0	50	75-09-2	1410 MG/KG
MINERAL SPIRITS	30.0-60.0	100	64742-88-7	6216 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, COLOURLESS, CHLORINATED SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM)   NOT AVAILABLE	SPECIFIC GRAVITY   0.98	VAPOUR PRESSURE (MM)   NOT AVAILABLE
VAPOUR DENSITY (AIR=1)   NOT AVAILABLE	EVAPORATION RATE   NOT AVAILABLE	SOLUBILITY IN WATER   (20 ° C) INSOLUBLE
BOILING POINT (C)   INITIAL 40	FREEZING POINT (C)   NOT AVAILABLE	% VOLATILE (BY WEIGHT)   100
pH   NOT APPLICABLE	DENSITY (G/ML)   NOT AVAILABLE	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: MINERAL SPIRITS WILL BURN AFTER   CHLORINATED COMPOUNDS EVAPORATE.		
MEANS OF EXTINCTION: DRY CHEMICALS, FOAM, CO2, WATER SPRAY.		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-   CONTAINED BREATHING APPARATUS.		
FLASH POINT (C) AND METHOD: NON-FLAMMABLE MIXTURE. FLASH POINT IS   (43 C) AFTER METHYLENE CHLORIDE EVAPORATES.		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, PHOSGENE, CHLORINE   AND HYDROGEN CHLORIDE, SMOKE, TOXIC FUMES.		
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:   HAZARDOUS POLYMERIZATION WILL NOT OCCUR.		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES   IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, ALUMINUM AND MAGNESIUM   POWDERS, POTASSIUM, SODIUM AND ZINC POWDERS, AMINES, STRONG BASE.		
REACTIVITY AND UNDER WHAT CONDITIONS: NO DATA AVAILABLE.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN PRODUCE   OXIDES OF CARBON, PHOSGENE, CHLORINE AND HYDROGEN CHLORIDE, SMOKE,   TOXIC FUMES.		

## SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:		
SKIN CONTACT: YES   INHALATION: YES	SKIN ABSORPTION: YES   INGESTION: YES	EYE CONTACT: YES



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
EYES-CONTACT MAY CAUSE MODERATE IRRITATION, REDNESS, SWELLING, TEARING, BLURRED VISION. MAY CAUSE SLIGHT CORNEAL INJURY.  
SKIN-CONTACT MAY CAUSE MODERATE SKIN IRRITATION, REDNESS, SWELLING, ITCHING AND DRYING OF SKIN.  
INHALATION-HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF RESPIRATORY TRACT, CENTRAL NERVOUS SYSTEM EFFECTS, HEADACHE, DIZZINESS, NAUSEA. MAY REDUCE BLOODS ABILITY TO TRANSPORT OXYGEN. MAY AFFECT HEART AND CARDIOVASCULAR SYSTEM.  
INGESTION-SINGLE DOSE ORAL TOXICITY IS LOW. SMALL AMOUNTS INCIDENTAL TO NORMAL HANDLING ARE NOT LIKELY TO CAUSE INJURY. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
SKIN-REPEATED EXPOSURE CAN CAUSE DRYING, FLAKING, DERMATITIS.

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

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 HEART CONDITIONS. USE ONLY IN WELL-VENTILATED AREAS.

## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL  
RESPIRATORY: NOT NORMALLY REQUIRED. FOR PROLONGED EXPOSURES OR IF TLV IS EXCEEDED, USE APPROVED RESPIRATOR EQUIPPED WITH ORGANIC CANISTER OR SELF CONTAINED BREATHING APPARATUS.  
EYE: FACE SHIELD OR SAFETY GOGGLES  
OTHER: EYE WASH, SAFETY SHOWER  
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): PROVIDE MECHANICAL VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS WITHIN RECOMMENDED LIMTS.

LEAK AND SPILL PROCEDURE: PROVIDE VENTILATION. WEAR RECOMMENDED PROTECTIVE EQUIPMENT. CONTAIN SPILL. TRANSFER MATERIAL TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO



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## SECTION VIII - FIRST AID MEASURES

PROCEDURES:  
EYES-IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. IF SYMPTOMS PERSIST GET MEDICAL ATTENTION.  
SKIN-REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.  
LAUNDER CLOTHING BEFORE RE-USE.  
INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING ADMINISTER ARTIFICIAL RESPIRATION, THEN GIVE OXYGEN. GET MEDICAL ASSISTANCE.  
INGESTION-DO NOT INDUCE VOMITING. 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 NO.	PG
TOXIC LIQUID, ORGANIC, N.O.S. (dichloromethane)	6.1	2810	III

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

STORAGE REQUIREMENTS: STORE IN TIGHTLY SEALED CONTAINERS IN COOL, DRY, WELL-VENTILATED AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.

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
REVIEWED: MARCH 10, 2009	REPLACES: JUNE 16, 2006

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