



# 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:  
B2, D1B, D2B, D2A, D2B

MATERIAL REFERENCE NO: 269300

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: SKAVERGER II	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: SOLVENT BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: GREASE TRAP RENOVATOR	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
METHYLENE CHLORIDE	10.0-30.0	50	75-09-2	1410 MG/KG
KEROSENE	30.0-60.0	200 MG/M3	64742-81-0	5000 MG/KG
ETHYLENE DICHLORIDE	10.0-30.0	10	107-06-2	625 MG/KG
ISOPROPANOL	1.0-5.0	400	67-63-0	5045 MG/KG
AROMATIC HYDROCARBON	5.0-10.0	100	64742-94-5	>10 ML/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: BLUE-GREEN LIQUID; SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 0.980	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE (CH <sub>2</sub> Cl <sub>2</sub> =1) > 1	SOLUBILITY IN WATER (20°C) EMULSIFIABLE
BOILING POINT (C) NOT AVAILABLE	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) NOT AVAILABLE
pH (10% SOLUTION) NOT APPLICABLE	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: FLAMMABLE		
IF YES, UNDER WHICH CONDITIONS:		
MEANS OF EXTINCTION: CHEMICAL FOAM, CARBON DIOXIDE, DRY CHEMICAL		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.		
FLASH POINT (C) AND METHOD: MINIMUM 13 (FP OF ETHYLENE DICHLORIDE)		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, NITROGEN, AND SULPHUR, PHOSGENE, HYDROGEN CHLORIDE, CHLORINE, SMOKE, IRRITATING 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: NORMALLY STABLE
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES
INCOMPATIBILITY TO OTHER SUBSTANCES: YES
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, ACIDS, ALUMINUM POWDERS, MAGNESIUM POWDERS, POTASSIUM, ZINC AND SODIUM POWDERS, AMINES, STRONG BASES.
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL EMIT OXIDES OF CARBON, NITROGEN, AND SULPHUR, PHOSGENE, HYDROGEN CHLORIDE CHLORINE, SMOKE, IRRITATING FUMES.

## 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 MODERATE IRRITATION, MAY BE HARMFUL IF ABSORBED THROUGH EYES. CAN CAUSE BLURRED VISION. MAY CAUSE SLIGHT CORNEAL INJURY, REDNESS.  
SKIN-MAY CAUSE REDNESS, SWELLING, ITCHING AND DRYING WITH MODERATE IRRITATION. FREQUENT CONTACT MAY CAUSE SKIN RASH (DERMATITIS).  
INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING, DIZZINESS, NAUSEA, DIFFICULTY IN BREATHING. MAY AFFECT THOSE WITH HEART CONDITIONS.  
INGESTION-HARMFUL IF SWALLOWED. CAN CAUSE VOMITING, NAUSEA, DIARRHEA CENTRAL NERVOUS SYSTEM DEPRESSION, WHICH CAN INCLUDE HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLURRED SPEECH.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

INHALATION-OF HIGH CONCENTRATIONS OF VAPOUR MAY AFFECT BLOOD'S ABILITY TO TRANSPORT OXYGEN (CARBOXYHEMAGLOBINEMIA). MAY CAUSE IRREGULAR HEARTBEAT.

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: ACGIH CLASSIFIES METHYLENE CHLORIDE AS A3-ANIMAL CARCINOGEN. ETHYLENE DICHLORIDE-ACGIH (A4 NOT CLASSIFIED AS A HUMAN CARCINOGEN.) IARC (GROUP 2B POSSIBLE HUMAN CARCINOGEN)

## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: IMPERVIOUS (NEOPRENE, PVA, VITON)  
RESPIRATORY: WEAR NIOSH APPROVED RESPIRATOR EQUIPPED WITH APPROVED ORGANIC CANISTERS OR SELF CONTAINED BREATHING APPARATUS  
EYE: SAFETY GOGGLES  
FOOTWEAR: IMPERVIOUS RECOMMENDED.  
CLOTHING: IMPERVIOUS IF SPLASHING IS ANTICIPATED.  
OTHER: EYE WASH AND SAFETY SHOWER  
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): PROVIDE LOCAL MECHANICAL VENTILATION AS REQUIRED TO MAINTAIN AIRBORNE CONCENTRATIONS WITHIN OCCUPATION GUIDELINES).

LEAK AND SPILL PROCEDURE: EVACUATE AREA. WEAR RECOMMENDED PROTECTIVE EQUIPMENT DURING CLEANUP. CONTAIN SPILL. TRANSFER MATERIAL INTO METAL DRUMS FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND PLACE IN METAL CONTAINERS FOR DISPOSAL. KEEP MATERIAL OUT OF SEWERS AND WATERWAYS.

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



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## SECTION VIII - FIRST AID MEASURES

PROCEDURES:  
EYES-IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. THEN GET IMMEDIATE MEDICAL ATTENTION.  
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.  
INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET MEDICAL ATTENTION.  
INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. GUARD AGAINST ASPIRATION OF MATERIAL INTO LUNGS. GET IMMEDIATE MEDICAL ATTENTION.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS
ADDITIONAL INFORMATION: NONE

## SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME FLAMMABLE LIQUIDS, TOXIC, N.O.S. (ETHYLENE DICHLORIDE )	CLASS 3 (6.1)	UN NO. 1992	PG II
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HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING VAPOURS. USE ONLY IN WELL-VENTILATED AREAS. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA IN TIGHTLY SEALED CONTAINERS. DO NOT STORE NEAR INCOMPATIBLE MATERIALS.

| SPECIAL SHIPPING INFORMATION: NONE

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY 3	REACTIVITY 0	HEALTH 2
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SECTION XI - PREPARATION DATE OF MSDS

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