



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: D1B, D2A, D2B

MATERIAL REFERENCE NO: 270800

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: SLIX	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: LUBRICANTS
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: MOLY CHAIN AND CABLE LUBRICANT	

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	100	75-09-2	1600 MG/KG
XYLENE	10.0-30.0	100	1330-20-7	4300 MG/KG
MINERAL SPIRITS	10.0-30.0	100	64742-47-8	>8000 MG/KG
MINERAL SEAL OIL	5.0-10.0	5 MG/KG	64741-44-2	>5000 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LOW VISCOSITY, GREEN-BLACK LIQUID; SOLVENT ODOUR.		
ODOUR AND APPEARANCE: LOW VISCOSITY, GREEN-BLACK LIQUID; SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	0.902	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
> 1	(CH ₂ Cl ₂ =1) > 1	(20°C) INSOLUBLE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT APPLICABLE	< 0	70
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: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO2, WATER FOG.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
POSSIBLE TRACES OF HYDROGEN CHLORIDE, PHOSGENE, VARIOUS HYDROCARBONS			
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: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS, STRONG ALKALIES, OXIDIZING AGENTS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE			
CARBON DIOXIDE, CARBON MONOXIDE, TRACES OF HCl AND PHOSGENE.			

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-MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SKIN-CONTACT MAY CAUSE SKIN IRRITATION.
INHALATION-EXCESSIVE INHALATION OF VAPOURS MAY CAUSE NASAL AND
RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING
DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE. METHYLENE CHLORIDE
MAY ALSO AFFECT THOSE WITH HEART CONDITIONS.
INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING
AND DIARRHEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE DEFATTING, DERMATITIS.
ABSORPTION-AT LOW CONCENTRATIONS METHYLENE CHLORIDE CAN HAVE AN
EFFECT ON THE NERVOUS SYSTEM. HOWEVER, NO PERMANENT EFFECT
HAS BEEN NOTED.

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
NONE KNOWN	NONE KNOWN

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. USE ONLY IN WELL-VENTILATED AREAS.
XYLENE MAY BE TOXIC TO EMBRYO OR FETUS AND MAY REDUCE FERTILITY.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL IF REQUIRED
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: NO SPECIAL REQUIREMENTS
CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN.
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: REMOVE SOURCES OF IGNITION. SMALL SPILLS
MAY BE WIPED. LARGE SPILLS-CONTAIN SPILL. TRANSFER TO APPROPRIATE
CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINDER WITH SUITABLE
ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL. CLEAN CONTAMINATED
AREA WITH SOLVENT BASED CLEANER.

WASTE DISPOSAL: DISPOSE OF THROUGH A LICENSED WASTE DISPOSAL
FACILITY IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL
REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.
SKIN-FLUSH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND 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. 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 AND SKIN. USE IN WELL-VENTILATED AREA ONLY. WASH THOROUGHLY AFTER HANDLING.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLES. 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: MAY 14, 2003	

DISCLAIMER:

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