



# 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:  
 A, B5, D1A, D2B

MATERIAL REFERENCE NO: 260221

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: RESIDEX (AEROSOL)	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: DRY MOLY LUBRICANT	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS   INGREDIENTS	APPROX.   % CONCENT.	TLV   PPM	C.A.S.   NUMBERS	LD 50   ORAL, RAT
METHYLENE CHLORIDE	20.0-40.0	50	75-09-2	1600 MG/KG
PETROLEUM   DISTILLATE	5.0-10.0	400	64742-89-8	NOT   AVAILABLE
LIQUIFIED PETROLEUM   GAS	5.0-10.0	1000	68476-85-7	NOT   AVAILABLE

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: DARK GRAY VISCOUS LIQUID; SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM)   NOT AVAILABLE	SPECIFIC GRAVITY   (CONCENTRATE) 1.195	VAPOUR PRESSURE (MM)   52 PSIG AT 20 (C)
VAPOUR DENSITY (AIR=1)   > 1	EVAPORATION RATE   NOT AVAILABLE	SOLUBILITY IN WATER   (20°C) NEGLIGIBLE
BOILING POINT (C)   33	FREEZING POINT (C)   NOT AVAILABLE	% VOLATILE (BY WEIGHT)   NOT ESTABLISHED
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: WHEN SPRAYED INTO IGNITION SOURCE.		
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO2.		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF   CONTAINED BREATHING APPARATUS. USE SHIELDING TO PROTECT FROM   VENTING, BURSTING OR RUPTURING CONTAINERS. USE WATER FOG TO COOL   FIRE EXPOSED CONTAINERS.		
FLASH POINT (C) AND METHOD: CONCENTRATE 27 (C) T.O.C.   FLAME EXTENSION EXTREMELY FLAMMABLE		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,   POSSIBLE TRACES OF HYDROGEN CHLORIDE, PHOSGENE.		
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   PRESSURIZED CONTAINER   KEEP TEMP. BELOW 49C
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 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   INHALATION: YES	SKIN ABSORPTION: YES   INGESTION: YES	EYE CONTACT: YES



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:  
EYES-CONTACT MAY CAUSE IRRITATION OF EYES.  
SKIN-CONTACT MAY CAUSE IRRITATION.  
INHALATION-MAY CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES.  
VERY HIGH CONCENTRATIONS CAN CAUSE IRRITATION TO UPPER RESPIRATORY TRACT, DIZZINESS, NAUSEA AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.  
INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA. ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:  
SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING OF SKIN.  
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. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL SKIN AND EYE IRRITANT, TOXIC
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SENSITIZATION OF MATERIAL NONE KNOWN	SYNERGISTIC MATERIALS NONE KNOWN
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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.

## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VITON 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. ALLOW PROPELLANT TO EVAPORATE. ABSORB ONTO SUITABLE ABSORBANT. SWEEP UP AND PLACE IN CONTAINER FOR DISPOSAL. WASH AREA TO REMOVE RESIDUAL PRODUCT.

WASTE DISPOSAL: DISPOSE OF THROUGH A LICENSED WASTE DISPOSAL FACILITY IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS. DO NOT PUNCTURE OR INCINERATE.



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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. CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY.

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

ADDITIONAL INFORMATION: NONE

## SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
D.G. Safety Marks are in accordance with 49 CFR			

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. USE ONLY IN WELL-VENTILATED AREAS. REMOVE ALL IGNITION SOURCES. DO NOT SMOKE WHEN HANDLING PRODUCT.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM OXIDIZING AGENTS. DO NOT STORE WHERE TEMPERATURES EXCEED 49 (C).

SPECIAL SHIPPING INFORMATION: NON-HEATED

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
3	0	2

## SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT      TELEPHONE # (905) 456-9444  
REVIEWED:      AUGUST 12, 2003

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