



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5

EMERGENCY # (905) 456-9444
CANUTEC # (613) 996-6666
W.H.M.I.S. CLASSIFICATION
B5, D1B, D2A, D2B

MATERIAL REFERENCE NO: 104421

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: A.R. 69 (AEROSOL)	
CHEMICAL NAME : NOT APPLICABLE CHEMICAL FAMILY : PRESSURIZED BLEND	
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: SILICONE LUBRICANT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
METHYLENE CHLORIDE	60.0-100.0	50	75-09-2	2100 MG/KG
MINERAL SPIRITS	5.0-10.0	300	64741-65-7	>8000 MG/KG
PROPANE/BUTANE BLEND	10.0-30.0	1000	68476-86-2	NOT AVAILABLE

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, COLOURLESS LIQUID; SOLVENT ODOUR		
ODOUR THRESHOLD (PPM) APPROXIMATELY 200	SPECIFIC GRAVITY (FILL) 1.226	VAPOUR PRESSURE (MM) 30 PSIG AT 20 (C)
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE (WATER = 1) < 1	SOLUBILITY IN WATER (20°C) INSOLUBLE
BOILING POINT (C) (FILL) 40.6	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) 94.4
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			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH			
WATER. USE SHIELDING TO PROTECT FROM VENTING, RUPTURING OR BURSTING			
CONTAINERS.			
FLASH POINT (C) AND METHOD: FLAME EXTENSION < 45			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
HYDROGEN CHLORIDE, TRACES OF PHOSGENE.			
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 PRESSURIZED CONTAINER			
NOT AVAILABLE NOT AVAILABLE KEEP TEMP. BELOW 50 C			
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 OR OTHER REACTIVE			
MATERIALS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE			
CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE, 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-CONTACT MAY CAUSE IRRITATION.
SKIN-CONTACT MAY CAUSE DRYING OF SKIN, CRACKING WITH IRRITATION.
INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING, DIZZINESS, NAUSEA, HEADACHE.
METHYLENE CHLORIDE CAN AFFECT THOSE WITH HEART CONDITIONS.
INGESTION-MAY CAUSE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING DIARRHEA.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
INHALATION-MAY CAUSE CHEMICAL BRONCHITIS, ASPHYXIA.
SKIN-PROLONGED OR REPEATED CONTACT CAN CAUSE DEFATTING AND DRYING OF SKIN RESULTING IN IRRITATION AND DERMATITIS.
NOTE-PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

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:
CONTAINS METHYLENE CHLORIDE WHICH HAS BEEN SHOWN TO CAUSE CANCER IN CERTAIN LABORATORY ANIMALS. MAY ALSO AFFECT THOSE WITH HEART CONDITIONS. USE IN WELL VENTILATED AREAS ONLY.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL
RESPIRATORY: NOT NORMALLY REQUIRED. FOR PROLONGED EXPOSURES OR WHEN TLV IS EXCEEDED, USE APPROVED ORGANIC CANISTER OR SELF CONTAINED BREATHING APPARATUS.
EYE: FACE SHIELD OR SAFETY 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 AREAS OR WHEN TLV IS EXCEEDED.

LEAK AND SPILL PROCEDURE: PROVIDE MAXIMUM VENTILATION. ALLOW PROPELLANT TO EVAPORATE. ABSORB MATERIAL ONTO SAWDUST OR VERMICULITE AND PLACE IN METAL CONTAINER FOR DISPOSAL.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. 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-IF SWALLOWED DO NOT INDUCE VOMITING. KEEP VICTIM WARM AND QUIET. CONTACT PHYSICIAN IMMEDIATELY.

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

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	P.I.N.	PACKING GROUP
AEROSOLS	2.1(6.1)	1950	

HANDLING PROCEDURES AND EQUIPMENT: HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER. WASH THOROUGHLY AFTER HANDLING. USE IN WELL VENTILATED AREAS.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA WHERE TEMPERATURES DO NOT EXCEED 50 (C). CONTENTS UNDER PRESSURE AND MAY EXPLODE AT ELEVATED TEMPERATURES.

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
SEPT. 18, 2001

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