



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

MATERIAL REFERENCE NO: 114621

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: DEFENSE	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: SURFACE BEAUTIFIER, PROTECTOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 DERMAL, RAT
POLYDIMETHYLSILOXANE	10.0-20.0	NO DATA	63148-62-9	NO DATA
LIQUIFIED PETROLEUM	5.0-10.0	1000	68476-85-7	NO DATA
GAS				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL			
ODOUR AND APPEARANCE: MILKY WHITE LIQUID; MILD ODOUR.			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	(CONCENTRATE) 1.02	50 PSIG AT 21 (C)	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
> 1	NOT AVAILABLE	(20°C) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)	TOTAL VOC %	
INITIAL (FILL) 100	NOT AVAILABLE	9.23	
pH (CONCENTRATE)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR	
7.0-9.0	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, CARBON DIOXIDE.			
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 NONE TO BOILING (100) T.O.C.			
FLAME EXTENTION - NON FLAMMABLE			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.			
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 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.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES	SKIN ABSORPTION: NO	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 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. |
| |
| |
| |

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	SKIN AND EYE
			IRRITANT.

| SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
| NONE KNOWN | NONE KNOWN |

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
| NONE KNOWN. |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: CHEMICAL RESISTANT 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): LOCAL |
| VENTILATION IN CONFINED SPACES OR WHEN TLV IS EXCEEDED. |

| LEAK AND SPILL PROCEDURE: REMOVE SOURCES OF IGNITION. ALLOW |
| PROPELLANT TO EVAPORATE. PROVIDE ADEQUATE VENTILATION. ABSORB |
| MATERIAL ONTO SUITABLE ABSORBENT AND SCOOP OR SWEEP UP AND PLACE IN |
| CONTAINER FOR DISPOSAL. WASH AREA TO REMOVE RESIDUAL MATERIAL. |

| WASTE DISPOSAL: |
| DISPOSE OF 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 WHILE HOLDING EYELIDS OPEN. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. 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. 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
D.G. Safety Marks are in accordance with 49 CFR			

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

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM OXIDIZING AGENTS. DO NOT STORE WHERE TEMPERATURES EXCEED 50 (C).

SPECIAL SHIPPING INFORMATION: NON-HEATED

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVISED: OCTOBER 2, 2009	REPLACES: FEBRUARY 27, 2006

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