



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, D2B

MATERIAL REFERENCE NO: 141821

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: HEX (AEROSOL)
CHEMICAL NAME: NOT APPLICABLE CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: MIXTURE MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE
MATERIAL USE: HI-PURITY CONTACT CLEANER

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S NUMBERS	LD 50 ORAL, RAT
METHANOL	0.1-1.0	200	67-56-1	870 MG/KG
				(MOUSE)
n-HEXANE	1.0-10.0	50	110-54-3	NO DATA
ISOHEXANES	60.0-100.0	500	107-83-5	NO DATA
PETROLEUM DISTILLATES	1.0-10.0	NO DATA	64742-48-9	NO DATA
CARBON DIOXIDE	1.0-5.0	10000	124-38-9	NO DATA
PROPELLANT				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: CLEAR, LIQUID; ALCOHOL ODOUR.		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	(CONCENTRATE) 0.67	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
> 1	NOT AVAILABLE	(20°C) NEGLIGIBLE
BOILING POINT (C)	FREEZING POINT (C)	TOTAL VOC %
INITIAL (FILL) ~60	NOT AVAILABLE	~95
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: FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: FOAM, CO2, DRY CHEMICAL.			
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 >17 C			
FLAME PROJECTION: EXTREMELY FLAMMABLE SPRAY			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
HYDROGEN CHLORIDE, 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 49C			
SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG			
BASES AND SELECTED AMINES.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT AVAILABLE.			
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 MINOR IRRITATION. |
|SKIN-CONTACT MAY CAUSE IRRITATION. |
|INHALATION-MAY CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES, |
|DIZZINESS, HEADACHES. |
|INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, |
|DIARRHEA. ASPIRATION OF CHEMICAL INTO LUNGS CAN CAUSE CHEMICAL |
|PNEUMONITIS. |
|

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|SKIN-FREQUENT OR PROLONGED CONTACT MAY CAUSE DRYING OF SKIN. |
|INHALATION-EXCESSIVE INHALATION MAY IRRITATE THE UPPER RESPIRATORY |
|TRACT AND CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. |
|

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | LOW |
|

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
| NOT KNOWN | NONE KNOWN |

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

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: CHEMICAL RESISTANT. |
|RESPIRATORY: NOT NORMALLY REQUIRED. FOR PROLONGED EXPOSURES OR IF |
| TLV IS EXCEEDED USE APPROVED ORGANIC CANISTER OR SELF |
| CONTAINED BREATHING APPARATUS. |
| EYE: CHEMICAL GOGGLES AS REQUIRED. |
| FOOTWEAR: NO SPECIAL REQUIREMENTS. |
| CLOTHING: ADEQUATE TO PREVENT CONTACT WITH SKIN. |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL TO |
| MAINTAIN EXPOSURE LEVELS BELOW TLV. |

|LEAK AND SPILL PROCEDURE: PROVIDE ADEQUATE VENTILATION. ELIMINATE |
|ALL SOURCES OF IGNITION. WEAR ADEQUATE PROTECTIVE EQUIPMENT. ALLOW |
|PROPELLANT TO EVAPORATE. ABSORB RESIDUE ONTO SUITABLE ABSORBANT AND |
|SCOOP UP AND PLACE IN DISPOSAL CONTAINER. WASH FLOOR TO REMOVE |
|RESIDUAL CHEMICAL. |

|WASTE DISPOSAL: DISPOSE 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. IF IRRITATION PERSISTS, GET IMMEDIATE MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION.
INGESTION-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.	PACKING GROUP
D.G. Safety Marks are in accordance with 49 CFR.			

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE IN WELL-VENTILATED AREAS ONLY. DO NOT USE NEAR IGNITION SOURCES. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM IGNITION SOURCES. 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
REVISION DATE: OCTOBER 4, 2009

DISCLAIMER:

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