



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:
B2, C, D1B, D2A, D2B

MATERIAL REFERENCE NO: 273521

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: SPOT SOLVE (AEROSOL)	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PRESSURIZED BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CARPET STAIN REMOVER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
METHYLENE CHLORIDE	30.0-60.0	100	75-09-2	1600 MG/KG
MINERAL SPIRITS	30.0-60.0	100	64742-47-8	>8000 MG/KG
CARBON DIOXIDE PROPELLANT	1.0-5.0	10000	124-38-9	NO DATA

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: COLOURLESS SPRAY; CHLORINATED SOLVENT ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY (CONCENTRATE) 1.015	VAPOUR PRESSURE (MM) 90 PSIG AT 20 (C)
VAPOUR DENSITY (AIR=1) > 1	EVAPORATION RATE NOT AVAILABLE	SOLUBILITY IN WATER (20°C) NEGLIGIBLE
BOILING POINT (C) INITIAL (FILL) 40.6	FREEZING POINT (C) < 0	% VOLATILE (BY WEIGHT) > 80
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: COMBUSTIBLE			
IF YES, UNDER WHICH CONDITIONS: WHEN SPRAYED INTO IGNITION SOURCE.			
MEANS OF EXTINCTION: FOAM, DRY CHEMICAL, CO2, WATER FOG			
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: FLAME EXTENSION < 45 CM			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, CHLORINE, HYDROGEN			
CHLORIDE, POSSIBLE PHOSGENE, SMOKE AND IRRITATING FUMES IF			
INCOMPLETE COMBUSTION.			
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 PRESSURIZED CONTAINER			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZING AGENTS OR OTHER REACTIVE			
MATERIALS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE			
OXIDES OF CARBON, CHLORINE, HYDROGEN CHLORIDE, POSSIBLE PHOSGENE,			
SMOKE AND IRRITATING FUMES IF INCOMPLETE COMBUSTION.			

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 MODERATE IRRITATION, REDNESS, SWELLING, |
| TEARING, PAIN, HAZY VISION. |
| SKIN-CONTACT MAY CAUSE MODERATE IRRITATION, SWELLING, ITCHING, |
| DRYING OF SKIN. |
| INHALATION-BREATHING OF HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF |
| RESPIRATORY TRACT, NASAL DISCOMFORT, POSSIBLE CHEST PAIN AND |
| COUGHING, HEADACHE, NAUSEA, VOMITING, DIZZINESS. CONTAINS METHYLENE |
| CHLORIDE WHICH MAY REDUCE BLOODS ABILITY TO TRANSPORT OXYGEN |
| (METHEMAGLOBINEMIA). MAY AFFECT THE HEART AND CARDIOVASCULAR SYSTEM. |
| INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING |
| DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL |
| PNEUMONITIS WHICH CAN BE FATAL. |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| 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	SKIN AND EYE
			IRRITANT. 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. |

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 |
| 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 INERT ABSORBANT AND SCOOP INTO |
| DISPOSAL CONTAINER. WASH CONTAMINATED AREA TO REMOVE RESIDUAL |
| PRODUCT. |

| 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.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GET IMMEDIATE MEDICAL ASSISTANCE.
INGESTION- DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING 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
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
2	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 4, 2009

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