



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: NOT CONTROLLED
UNDER W.H.M.I.S.

MATERIAL REFERENCE NO: 146121

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: RESIDUAL CRAWLING INSECTICIDE	(AEROSOL)	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: PRESSURIZED BLEND	
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE	
SYNONYMS: NONE		
MATERIAL USE: CONTACT AND RESIDUAL INSECTICIDE SPRAY		

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT	
PETROLEUM	10.0-30.0	200	64742-47-8	>8000 MG/KG	
DISTILLATE					
CHLORPYRIFOS	0.5-1.0	0.1 MG/M3	2921-88-2	NO DATA	
LIQUIFIED PETROLEUM	10.0-30.0	1000	68476-85-7	NO DATA	
GAS					

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: AEROSOL		
ODOUR AND APPEARANCE: CLEAR LIQUID; LOW ODOUR		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	CONCENTRATE 0.95	53 PSIG AT 20
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
> 1	NOT AVAILABLE	(20°C) SLIGHT
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	NOT ESTABLISHED
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: OPEN FLAME, SPARK			
MEANS OF EXTINCTION: FOAM, CO2, DRY CHEMICAL.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF			
CONTAINED BREATHING APPARATUS. USE SHIELDING TO PROTECT FROM			
VENTING, RUPTURING OR BURSTING CONTAINERS. USE WATER FOG TO COOL			
FIRE EXPOSED CONTAINERS.			
FLASH POINT (C) AND METHOD:			
FLAME EXTENTION-FLAMMABLE SPRAY			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.			
ACRID SMOKE, IRRITATING, FUMES, VARIOUS HYDROCARBONS.			
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 OXIDANTS, MINERAL ACIDS, STRONG ALKALIES.			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL EMIT			
CARBON DIOXIDE, CARBON MONOXIDE, ACRID SMOKE, IRRITATING FUMES,			
VARIOUS HYDROCARBONS.			

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, POSSIBLE BURNS. |
|SKIN-CONTACT MAY CAUSE IRRITATION. |
|INHALATION-MAY CAUSE NASAL AND RESPIRATORY IRRITATION. |
|INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING |
|AND DIARRHEA. ASPIRATION OF CHEMICAL INTO THE LUNGS MAY CAUSE |
|CHEMICAL PHEUMONITIS. |
|

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|INHALATION-EXCESSIVE INHALATION MAY CAUSE IRRITATION TO UPPER |
|RESPIRATORY TRACT, DIZZINESS, NAUSEA AND OTHER CENTRAL NERVOUS |
|SYSTEM EFFECTS. |
|PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN |
|SOME INDIVIDUALS. |

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 | NOT AVAILABLE |

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
|PETROLEUM DISTILLATES A3-CONFIRMED ANIMAL CARCINOGEN WITH UNKNOWN |
|RELEVANCE TO HUMANS. |

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: IMPERVIOUS RECOMMENDED. |
|RESPIRATORY: NIOSH APPROVED RESPIRATOR EQUIPPED WITH APPROVED |
| CARTRIDGES FOR ORGANIC CANISTER. |
| 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 |
|MECHANICAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS |
|WITHIN RECOMMENDED OCCUPATIONAL LIMITS. |

|LEAK AND SPILL PROCEDURE: REMOVE ALL IGNITION SOURCES. PROVIDE |
|ADEQUATE VENTILATION. ALLOW PROPELLANT TO EVAPORATE. ABSORB ONTO |
|INERT ABSORBENT. SWEEP UP AND PLACE IN DISPOSAL CONTAINER. |
|WASH FLOOR TO REMOVE RESIDUAL CHEMICAL. |

|WASTE DISPOSAL: WHEN CONTAINER IS EMPTY, PRESS VALVE TO RELEASE ALL |
|REMAINING PRESSURE. DISPOSE OF CONTAINER IN ACCORDANCE WITH |
|PROVINCIAL REQUIREMENTS. CONTACT PROVINCIAL REGULATORY AGENCY OR |
|MANUFACTURER FOR DISPOSAL OF UNUSED OR UNWANTED PRODUCT. |



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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-REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.
LAUNDER CLOTHING BEFORE REUSE.
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 A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
NOTE-CHLORFYRIFOS IS A CHOLINESTERASE INHIBITOR. ATROPHINE IS ANTIDOTAL.

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 AREA. DO NOT HANDLE OR USE WHERE THERE ARE IGNITION SOURCES. WASH THOROUGHLY AFTER HANDLING.

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

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
3	1	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVSWED: JUNE 3, 2009	REPLACES: NOVEMBER 15, 2005

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