



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: 146221

SECTION I - MATERIAL IDENTIFICATION AND USE

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

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT	
PROPOXUR	0.1-1.0	2 MG/M3	114-26-1	95 MG/KG	
ISOPROPYL ALCOHOL	15.0-40.0	100	67-63-0	>4720 MG/KG	
PETROLEUM DISTILLATE	80.0-100.0	300	64742-48-9	6720 MG/KG	
ETHYLENE GLYCOL	1.0-5.0	25	111-76-2	1480 MG/KG	
MONOBUTYL ETHER					
ACETONE	3.0-7.0	750	67-64-1	9750 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 TO LIGHT YELLOW LIQUID; INSECTICIDE			
ODOUR.			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	CONCENTRATE 0.790	90 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)	
(FILL) 82	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: CONCENTRATE 12 (C) T.O.C.			
FLAME EXTENTION-FLAMMABLE SPRAY.			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.			
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 APPLICABLE	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, ACIDS			
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION WILL GIVE			
CARBON DIOXIDE, CARBON MONOXIDE, 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. |
| SKIN-CONTACT MAY CAUSE IRRITATION. |
| INHALATION-MAY CAUSE IRRITATION OF NASAL PASSAGES. |
| INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING |
| AND DIARRHEA. ASPIRATION OF CHEMICAL INTO THE LUNGS MAY CAUSE |
| CHEMICAL PHEUMONITIS. |
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| |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| INHALATION-EXCESSIVE INHALATION MAY CAUSE IRRITATION TO UPPER |
| RESPIRATORY TRACT, DIZZINESS, NAUSEA AND OTHER CENTRAL NERVOUS |
| SYSTEM EFFECTS. |
| |
| |

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: |
| NONE KNOWN. |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: NONE FOR NORMAL USE. |
| RESPIRATORY: NIOSH APPROVED CANISTER APPROVED FOR MISTS IF |
| CONCENTRATION IS HIGH OR UNKNOWN. |
| 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 |
| EXHAUST TO MAINTAIN TLV BELOW ACCEPTABLE LEVELS. |

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

| WASTE DISPOSAL: WHEN CONTAINER IS EMPTY, PRESS VALVE TO REALEASE 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. GET MEDICAL ASSISTANCE.
SKIN-FLUSH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS. LAUNDRER 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-PROPOXUR IS A CARBAMATE CHOLINESTERASE INHIBITOR. ATROPHINE SULFATE IS ANTIDOTAL. DO NOT GIVE MORPHINE. WATCH FOR DELAYED PULMONARY EDEMA IN CASE OF SERIOUS POISONING. IN THIS CASE GIVE OXYGEN THERAPY AND TREAT SYMPTOMATICALLY.

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
4	1	2

SECTION XI - PREPARATION DATE OF MSDS

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

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