

K-G SPRAY-PAK INC.
8001 KEELE STREET, P.O BOX 89
CONCORD; L4K 1Y8; ONTARIO
CANADA 905-669-9855

PRODUCT: 26304R-340578AP EXILE II DAIRY & LIVESTOCK INSECTICIDAL AER**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER K-G SPRAY-PAK INC.
8001 KEELE STREET P.O. BOX 89
ONTARIO
CANADA
L4K 1Y8
CANUTEC EMERGENCY #:1-613-996-6666(24HR)
CHEM-TEL EMERGENCY # NORTH AMERICA 1-800-255-3924 (24 HR). INTERNATIONAL 1-813-248-0585 (24 HR).
PRODUCT NAME 26304R-340578AP EXILE II DAIRY & LIVESTOCK INSECTICIDAL AER
EPA # 10807-433-40940.
CHEMICAL FAMILY PYRETHRINS/PIPERONYL BUTOXIDE.
MOLECULAR WEIGHT NOT APPLICABLE.
CHEMICAL FORMULA MIXTURE.
TRADE NAMES & SYNONYMS 26304R-340578AP EXILE II DAIRY & LIVESTOCK INSECTICIDAL AER
PRODUCT USES INSECTICIDE.
FORMULA/LAB BOOK # 99-4181WB.

Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
PYRETHRINS	0.5	5 mg/m3	8003-34-7	1680 mg/kg ORAL - RAT	NOT AVAILABLE
PIPERONYL BUTOXIDE	5.0	NOT AVAILABLE	51-03-6	4.6 g/kg ORAL-RAT	>5.9 mg/l
PARAFFINIC NAPHTHENIC SOLVENT	5-10	100 ppm	64742-47-8	>5000 mg/kg ORAL-RAT	6.8 mg/l
ISOBUTANE	10-30	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	7-13	1000 ppm	74-98-6	>5000 mg/kg DERMAL-RABBITS	NOT AVAILABLE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
INGESTION MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.
INHALATION INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.
EYE CONTACT MAY CAUSE IRRITATION.
SKIN ABSORPTION NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.
SKIN CONTACT MAY CAUSE IRRITATION.
EFFECTS OF ACUTE EXPOSURE DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.
EFFECTS OF CHRONIC EXPOSURE SOLVENTS MAY CAUSE DEFATTING DERMATITIS
EXPOSURE LIMIT OF MATERIAL SEE SECTION 2.

Section 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE (°C) 218.
SPECIAL PROCEDURES WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.
FLAMMABILITY NOT A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).
IF YES, UNDER WHICH CONDITIONS? EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
UPPER FLAMMABLE LIMIT 7.
(% BY VOLUME)
LOWER FLAMMABLE LIMIT 0.5.
(% BY VOLUME)
EXPLOSION DATA
SENSITIVITY TO STATIC DISCHARGE NOT APPLICABLE.
SENSITIVITY TO IMPACT NOT APPLICABLE.
HAZARDOUS COMBUSTION PRODUCTS HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
AEROSOL FLAME PROJECTION
CLASSIFIED AS: 0 cm.
FLASHBACK NONE.
FLASH POINT(°C),TAG CLOSED-CUP > 100.
(CONCENTRATE)

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Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

Section 07: HANDLING AND STORAGE

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
 ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).
 HANDLING PROCEDURES AND EQUIPMENT..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
 SYNERGISTIC MATERIALS..... NONE KNOWN.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE..... NOT NORMALLY REQUIRED.
 RESPIRATORY/TYPE..... NOT NORMALLY REQUIRED.
 EYE/TYPE..... SAFETY GLASSES.
 FOOTWEAR/TYPE..... NOT NORMALLY REQUIRED.
 OTHER/TYPE..... NOT REQUIRED.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.
 APPEARANCE..... OPAQUE WHITE.
 ODOR..... INSECTICIDE.
 ODOR THRESHOLD..... NOT AVAILABLE.
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 65-75.
 @ 20 C
 BOILING POINT (°C)(CONC)..... LOWEST KNOWN VALUE IS 100C BASED ON WATER.
 EVAPORATION RATE..... LESS THAN 1.
 n-BUTYL ACETATE = 1
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.
 SOLUBILITY IN WATER g/L (20°C)..... SOLUBLE.
 pH..... 5.3-5.9.
 SPECIFIC GRAVITY (LIQUID)..... 0.98-1.0.
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.
 FREEZING POINT: (°C)..... NOT AVAILABLE.
 AEROSOL PERCENT VOLATILE..... >90.
 (BY WEIGHT).
 SPECIFIC GRAVITY (AEROSOL)..... 0.80-0.85.

Section 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 CHEMICAL STABILITY:
 YES..... UNDER NORMAL CONDITIONS.
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.
 COMPATIBILITY WITH OTHER SUBSTANCES:
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS..... NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.
 IRRITANCY OF MATERIAL..... MAY CAUSE IRRITATION.
 SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.
 CARCINOGENICITY OF MATERIAL..... THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC, (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).
 TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.
 MUTAGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.

Section 12: ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL..... THIS PRODUCT IS POTENTIALLY TOXIC TO FISH, BIRDS AND OTHER WILDLIFE. PESTICIDE WASTES ARE TOXIC.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

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T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.2).
 D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

Section 15: REGULATORY INFORMATION**CANADIAN REGULATIONS:**

WHMIS CLASSIFICATION..... NOT REGULATED BY WHMIS.
 CNFC SECTION 3.3.5..... LEVEL 1.
 CEPA (Canadian Environmental Protection Act) ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 2 MODERATE HAZARD.
 HMIS RATING FLAMMABILITY..... 1 SLIGHT HAZARD.
 HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
 HMIS RATING PERSONAL PROTECTION..... B.
 NFPA CODE 30B..... LEVEL 1.
 SARA 313 INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
 CAS #: CHEMICAL NAME:
 *51-03-6 PIPERONYL BUTOXIDE.
 CALIFORNIA PROPOSITION 65: THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
 WARNING: THIS PRODUCT DOES NOT INTENTIONALLY CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
 CAS #: CHEMICAL NAME:
 N/A.
 TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
 VOC (w/w%)..... 25.

Section 16: OTHER INFORMATION

NOTICE FROM K-G SPRAY- PAK INC THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY K-G SPRAY PAK INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. K-G SPRAY PAK INC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.
 PREPARED BY..... TECHNICAL SERVICES
 PREPARATION DATE May10/12