ISSUE DATE : Jan. 9, 2014 PAGE 1 OF 4

ACUITY HOLDINGS INC. dba AMREP

MONTREAL, QC; H3B 0A2 CANADA

Sales Info: North American 1-800-267-1578, International 1-905-669-9876 Emergencies: See CHEM-TEL EMERGENCY # in Section 01

B58601 340411CN --KONK TRAVEL SIZE INSECT REPELLENT

MATERIAL SAFETY DATA SHEET

—X—AEROSOL LIQUID

SECTION I: PRODUCTION INFORMATION

MANUFACTURED FOR: ACUITY HOLDINGS INC. dba AMREP

1000 de la Gauchetiere St. West, Suite 2500, Montreal QC H3B 0A2

CANADA

CHEM-TEL EMERGENCY #NORTH AMERICA 1-800-255-3924 (24 HR).

ACCT#MIS0000403 INTERNATIONAL 1-813-248-0585 (24 HR).

TRADE NAME : 340411CN KONK TRAVEL SIZE INSECT REPELLENT

CHEMICAL NAME : Mixture

PRODUCT USE : Insect Repellent

FORMULA NUMBER : 012-001

UN 1950

WHMIS CLASSIFICATION : A,D-2B,B-5 Flammable Aerosol

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	PIN (UN)	% WEIGH	TEXPOSURE LIMITS TLV,LD50,LC50
Isopropyl alcohol	000067630	(1219)	45-55	TLV 500 ppm Rat,oralLD50: 5045mg/Kg Derm,Rbt LD50: 1280mg/Kg Inh.Rat LC50:22627ppm 4 Hr
DEET Derm.LD50:4280mg/kg	000134-62-3		20-30	Acute Rab. Acute Oral LD50:2170 to 3664mg/kg (rat) Acute Inhal.LC50: 5.95mg/kg (rat) for 4 hr

PROPELLANT(S):

Propane 74-98-6 (1075) 1-5

Isobutane 75-28-5 (1075) 10-20 TLV 1000 ppm

PRODUCT NAME: KONK TRAVEL SIZE INSECT REPELLENT MSDS 012-001

SECTION III: PHYSICAL DATA

OTHER

THE FOLLOWING PHYSICAL DATA ARE APPROXIMATE ONLY AND DO NOT REPRESENT SPECIFICATION VALUES. THEY SHOULD ONLY BE USED IN THE CONTEXT OF THIS MATERIAL SAFETY DATA SHEET

PHYSICAL STATE : Mixture of Liquid and propellant BOILING POINT (°C) : N/A VAPOUR PRESSURE (psig at 21 °C) : 40-50 psig VAPOUR DENSITY (AIR=1) :>1 : 80% SOLUBILITY IN WATER(%by Wt) APPEARANCE AND ODOUR : Clear liquid SPECIFIC GRAVITY (WATER=1) : .700 %VOLATILE BY VOLUME : 80% EVAPORATION RATE(n-BUTYL ACETATE=1) :< 1 : 7-8 рН : N/A FREEZING POINT SECTION IV: FIRE AND EXPLOSION HAZARDS FLASH POINT : < -73°C METHOD USED X TAG CLOSED CUP Propellant only ___ESTIMATED FLAMMABLE LIMITS IN AIR(% BY VOLUME) LOWER : 1.8-2.2 UPPER : 8.4-9.5 AUTO IGNITION TEMPERATURE : N/A °C EXTINGUISHING MEDIA X DRY CHEMICAL, CO2, FOAM ___ OTHER SPECIAL FIRE FIGHTING PROCEDURES: X WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP IF EXPOSED TO EXTREME TEMPERATURES. OTHER UNUSUAL FIRE AND EXPLOSION HAZARDS: X CONTAINERS MAY EXPLODE IF EXPOSED TO TEMPERATURES > 50 °C. X SENSITIVE TO SHOCK X SENSITIVE TO STATIC DISCHARGE FLAMMABILITY OF AN AEROSOL IS DETERMINED BY FLAME PROJECTION. THE FLAME PROJECTION OF THIS PRODUCT IS CLASSIFIED AS: ZERO cm (NON-FLAMMABLE) ____ 0 - 15 cm (CAUTION) 15-45 cm (WARNING) X OVER 45 cm (DANGER) HAZARDOUS COMBUSTION PRODUCTS: POSSIBLE PHOSGENE OVER 500 °C X HYDROCARBON FUMES AND SMOKE, CO WHERE COMBUSTION IS INCOMPLETE.

MSDS 012-001 SECTION V: REACTIVITY DATA : X STABLE UNSTABLE HAZARDOUS POLYMERIZATION: X WILL NOT OCCUR ___ MAY OCCUR CONDITIONS TO AVOID : X STORAGE IN HOT, UNVENTILATED AREAS OTHER HAZARDOUS DECOMPOSITION: POSSIBLE PHOSGENE OVER 500 °C PRODUCTS X HYDROCARBON FUMES AND SMOKE, CO WHERE COMBUSTION IS INCOMPLETE **OTHER** SECTION VI: TOXICOLOGICAL PROPERTIES THRESHOLD LIMIT VALUE: SEE SECTION II EFFECTS OF OVEREXPOSURE: X ACUTE: DIZZINESS, NAUSEA, IRRITATION TO SKIN AND EYES CHRONIC: SOLVENTS MAY CAUSE DEFATTING DERMATITIS. TOXICOLOGICAL SYNERGISTIC PRODUCTS: SENSITIZATION TO PRODUCT: SKIN RESPIRATORY ALLERGEN X PRESENTLY UNKNOWN REPRODUCTIVE EFFECTS: N/A TERATOGENICITY : <u>N/A</u> MUTAGENICITY : N/A IRRITANCY OF PRODUCT: NON-IRRITANT **IRRITANT** X PRESENTLY UNKNOWN CARGINOGENICITY OF PRODUCT: X PRESENTLY UNKNOWN **SECTION VII: PREVENTIVE MEASURES** RECOMMENDATIONS LISTED IN THIS SECTION INDICATE THE TYPE OF EQUIPMENT

WHICH WILL PROVIDE PROTECTION AGAINST OVER EXPOSURE TO THIS PRODUCT. CONDITIONS OF USE, ADEQUACY OF ENGINEERING OR OTHER CONTROL MEASURES AND ACTUAL EXPOSURES WILL DICTATE THE NEED FOR SPECIFIC PROTECTION

DEVICES AT YOUR WORKPLACE.

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PRODUCT NAME: KONK TRAVEL SIZE INSECT REPELLENT

PRODUCT NAME: KONK TRAVEL SIZE INSECT REPELLENT PAGE 4 OF 4 MSDS 012-001 PERSONAL PROTECTIVE EQUIPMENT TO BE USED PROTECTIVE GLOVES: REQUIRED X NOT NORMALLY REQUIRED EYE PROTECTION REQUIRED NOT NORMALLY REQUIRED REQUIRED OTHER PROTECTIVE **EQUIPMENT** _NOT NORMALLY REQUIRED VENTILLATION LOCAL MECHANICAL IF USED INDOORS ON A CONTINUOUS SPILL OR LEAK PROCEDURE WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED. REMOVE ALL SOURCE OF IGNITION .USE INERT ABSORBENT MATERIAL ,AND NON-SPARKING TO AVOID BREATHING FUMES. VENTILATE AREA. PREVENT FROM ENTERING A WATER COURSE. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE IN A COOL, WELL-VENTILLATED AREA NOT TO EXCEED 50 °C OTHER PRECAUTIONS: DO NOT PUNCTURE OR INCINERATE CONTAINERS EVEN WHEN EMPTY.

SECTION VIII: FIRST AID MEASURES

REMOVE PATIENT TO FRESH AIR., FLUSH EXPOSED SKIN AND EYES WITH COPIOUS AMOUNTS OF WATER. IF INGESTED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

SECTION IX: PREPARATION INFORMATION

PRPARED BY

DATE OF PREPARATION: Jan. 9, 2014

THE INFORMATION CONTAINED IN THIS FORM IS BASED ON DATA FROM SOURCES CONSIDERED TECHNICALLY RELIABLE AND HAS BEEN PREPARED IN GOOD FAITH IN ACCORDANCE WITH THE AVAILABLE MATERIAL. IT IS PROVIDED AS A SERVICE TO THE PERSONS USING THE PRODUCT BUT CONDITIONS OF USE AND HANDLING MAY INVOLVE OTHER AND ADDITIONAL CONSIDERATIONS BEYOND THE CONTROL OF AMREP NO WARRANTY ,EXPRESSED OR IMPLIED, IS MADE AND AMREP WILL NOT BE LIABLE FOR ANY DAMAGES, LOSSES, INJURIES OR CONSEQUENTIAL DAMAGES WHICH MAY RESULT

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