

Ultrasol Industries
 10755-69 Avenue
 Edmonton, Alberta T6H 2C9
 CANUTEC EMERGENCY #:1-613-996-6666(24HR)

Product: Doktor Doom Spider Mite Knockout & Household Insect Eliminator

SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER.....Ultrasol Industries
 10755-69 Ave
 Edmonton, Alberta
 CANADA
 T6H 2C9
 CANUTEC EMERGENCY #:1-613-996-6666(24HR)
 PRODUCT NAME.....5400-0012 SPIDER MITE KNOCKOUT INSECT PLANT
 SPRAY(515 gram)
 LAB BOOK NUMBER.....012-5-191.
 CHEMICAL FAMILY.....PYRETHRINS.
 TRADE NAMES & SYNONYMS.....PCP ACT # 29046.
 PRODUCT USES.....INSECTICIDE.
 CHEMICAL FORMULA.....NOT APPLICABLE.
 MOLECULAR WEIGHT.....NOT APPLICABLE.
 T.D.G. CLASSIFICATION.....CONSUMER COMMODITY.
 WHMIS CLASSIFICATION.....NOT APPLICABLE.
 CNFC SECTION 3.3.5.....LEVEL 1.
 NFPA CODE 30B.....LEVEL 1.
 HMIS RATING FLAMMABILITY.....1 SLIGHT HAZARD.
 HMIS RATING HEALTH.....2 MODERATE HAZARD.
 HMIS RATING REACTIVITY.....0 MINIMAL HAZARD.

SECTION 02: HAZARDOUS INGREDIENTS

%	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
PYRETHRINS			
0.200	5 mg/m3	1680 mg/kg ORAL - RAT	NOT AVAILABLE
PIPEROYNL BUTOXIDE			
0.800		7.5 - 10.0 G/KG ORAL - RAT	NOT AVAIABLE
ISOBUTANE			
5-10		NOT APPLICABLE	520,000ppm (2 hr) INHAL - MOUSE
PROPANE			
1-5		NOT APPLICABLE	NOT AVAILABLE

SECTION 03: PHYSICAL DATA

PHYSICAL STATE.....AEROSOL.
 BOILING POINT (DEG C)(CONC).....100.

VAPOUR PRESSURE(PSIG)-AEROSOL.....40-50.
@ 20 C
VAPOUR DENSITY (AIR=1).....GREATER THAN 1.
(BY WEIGHT)
SOLUBILITY IN WATER.....SOLUBLE.
APPEARANCE.....OFF-WHITE EMULSION.
ODOR.....INSECTICIDE.
ODOR THRESHOLD.....NOT AVAILABLE.
SPECIFIC GRAVITY (LIQUID).....0.98-1.02.
SPECIFIC GRAVITY (AEROSOL).....0.90-0.94.
AEROSOL PERCENT VOC (W/W).....10-11.
AEROSOL PERCENT VOLATILE.....98-99.
(BY WEIGHT)
EVAPORATION RATE.....GREATER THAN 1.
n-BUTYL ACETATE = 1
pH.....5.0 - 6.0.
FREEZING POINT: (C).....NOT AVAILABLE.
COEFFICIENT OF WATER\OIL.....NOT AVAILABLE.
DIST.

SECTION 04: FIRE & EXPLOSION DATA

AEROSOL FLAME PROJECTION

CLASSIFIED AS:.....0 CM.
FLASHBACK.....NONE.
FLAMMABILITY.....NOT A FLAMMABLE PRODUCT (AS PER CANADIAN
AEROSOL REGULATIONS).
IF YES, UNDER WHICH.....EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
CONDITIONS ?
EXTINGUISHING MEDIA.....CARBON DIOXIDE, DRY CHEMICAL, FOAM.
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 APPARTATUS SHOULD BE
WORN IN A FIRE INVOLVING THIS MATERIAL.

FLASH POINT(C),TAG CLOSED-CUP.....NOT AVAILABLE.
(CONCENTRA TE)

AUTO IGNITION TEMPERATURE (C).....NOT AVAILABLE.

LOWER FLAMMABLE LIMIT.....1.9.

(% BY VOLUME)

UPPER FLAMMABLE LIMIT.....9.5.

(% BY VOLUME)

HAZARDOUS COMBUSTION

PRODUCTS.....HYDROCARBON FUMES AND SMOKE. CARBON
MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

EXPLOSION DATA

SENSITIVITY TO STATIC.....NOT APPLICABLE.

DISCHARGE

SENSITIVITY TO IMPACT.....NOT APPLICABLE.

SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY:

YES.....UNDER NORMAL CONDITIONS.

NO, WHICH CONDITIONS?.....NOT APPLICABLE.

COMPATABILITY WITH OTHER

SUBSTANCES :

NO, WHICH ONES?.....STRONG OXIDIZING AGENTS.
HAZARDOUS PRODUCTS OF
DECOMPOSITION.....HYDROCARBON FUMES AND SMOKE. CARBON
MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR.
REACTIVITY CONDITIONS?.....NOT APPLICABLE.

SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT.....MAY CAUSE IRRITATION.
SKIN ABSORPTION.....NO DATA AVAILABLE FOR THIS PRODUCT
MIXTURE.
EYE CONTACT.....MAY CAUSE IRRITATION.
INHALATION.....INHALATION OF SOLVENTS MAY CAUSE
IRRITATION. PROPELLANT IS A SIMPLE
ASPHYXIANT.
INGESTION.....MAY CAUSE HEADACHE, NAUSEA, VOMITING AND
WEAKNESS.
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 II.
IRRITANCY OF MATERIAL.....SKIN/EYE IRRITANT.
SENSITIZING CAPABILITY OF.....UNKNOWN.
MATERIAL
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).
REPRODUCTIVE EFFECTS.....NO INFORMATION IS AVAILABLE AND NO ADVERSE
REPRODUCTIVE EFFECTS ARE ANTICIPATED.
TERATOGENICITY.....NO INFORMATION IS AVAILABLE AND NO ADVERSE
TERATOGENIC EFFECTS ARE ANTICIPATED.
MUTAGENICITY.....NO INFORMATION IS AVAILABLE AND NO ADVERSE
MUTAGENIC EFFECTS ARE ANTICIPATED.
SYNERGISTIC MATERIALS.....NONE KNOWN.

SECTION 07: PREVENTIVE MEASURES

GLOVES/ TYPE.....NOT NORMALLY REQUIRED.
RESPIRATORY/TYPE.....NOT NORMALLY REQUIRED.
EYE/TYPE.....SAFETY GLASSES.
FOOTWEAR/TYPE.....NOT NORMALLY REQUIRED.
OTHER/TYPE.....NOT REQUIRED.
ENGINEERING CONTROLS.....VENTILATION - LOCAL (MECHANICAL IF USED
INDOORS ON A CONTINUOUS BASIS).
LEAK/SPILL.....REMOVE ALL SOURCES OF IGNITION. USE AN
INERT ABSORBENT MATERIAL, AND NON-SPARKING
TOOLS. AVOID BREATHING FUMES. VENTILATE
AREA. PREVENT FROM ENTERING A WATERCOURSE.

HANDLING PROCEDURES AND EQUIPMENT.....STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
WASTE DISPOSAL.....DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY.DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.
STORAGE NEEDS.....KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
SPECIAL SHIPPING INSTRUCTIONS.....SEE SECTION 1.....TDG CLASSIFICATION.

SECTION 08: 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 09: ADDITIONAL INFORMATION

NOTICE FROM Ultrasol Industries LTD..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY ULTRASOL INDUSTRIES LTD FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. ULTRASOL INDUSTRIES LTD. 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.
DATED.....1/1/2015.Valid for 3 years from date of issue.