

MATERIAL SAFETY DATA SHEET ITEM #22201/99102 PCP ACT # 29047

ULTRASOL INDUSTRIES
10755-69 AVENUE
EDMONTON, ALBERTA T6H 2C9
CANUTEC EMERGENCY #:1-613-996-6666(24HR)

Product: DOKTOR DOOM MAXIMUM STRENGTH BED BUG & HOUSEHOLD INSECT BLASTER

SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER.....ULTRASOL INDUSTRIES
10755-69 AVENUE
EDMONTON, ALBERTA
CANADA
T6H 2C9
CANUTEC EMERGENCY #:1-613-996-6666(24HR)
PRODUCT NAME.....DOKTOR DOOM BED BUG BLASTER.
FORMULATION #.....012-8-75/012-4-343.
CHEMICAL FAMILY.....PYRETHRINS/PIPERONYL BUTOXIDE.
TRADE NAMES & SYNONYMS.....PCP ACT # 29047.
PRODUCT USES.....INSECTICIDE.
CHEMICAL FORMULA.....MIXTURE.
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			
0.500	5 mg/m3	1680 mg/kg ORAL - RAT	NOT AVAILABLE
PIPERONYL BUTOXIDE			
4.00		7.5-10.0 g/kg ORAL-RAT	NOT AVAILABLE
ISOPARAFFINIC HYDROCARBONS			
7-13	100 ppm	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE			
10-30		NOT APPLICABLE	520,000ppm (2 hr) INHAL - MOUSE
PROPANE			
1-5	1000 ppm	NOT APPLICABLE	NOT AVAILABLE

SECTION 03: PHYSICAL DATA

PHYSICAL STATE.....AEROSOL.
BOILING POINT (DEG C) (CONC).....100-205.
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.....PYRETHRIN.
ODOR THRESHOLD.....NOT AVAILABLE.
SPECIFIC GRAVITY (LIQUID).....0.94-0.98.
SPECIFIC GRAVITY (AEROSOL).....0.76-0.80.
AEROSOL PERCENT VOC (W/W).....32-33.
AEROSOL PERCENT VOLATILE.....92-93.
(BY WEIGHT)
EVAPORATION RATE.....GREATER THAN 1.
n-BUTYL ACETATE = 1
pH.....8-9.
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 APPARATUS SHOULD BE
WORN IN A FIRE INVOLVING THIS MATERIAL.
FLASH POINT (C), TAG CLOSED-CUP.....78.
(CONCENTRATION)
AUTO IGNITION TEMPERATURE (C).....NOT AVAILABLE.
LOWER FLAMMABLE LIMIT.....0.6.
(% 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.
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
ASPHYXIAN.
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

.....THE INFORMATION ON THIS MATERIAL SAFETY
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DATED..... 1/1/2017 Valid for 3 Years from date of
Issue.