

121-014

MATERIAL SAFETY DATA SHEET
ITEM # 44505 PCP ACT # 27162

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SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER..... 753146 Alberta Ltd. o/a Ultrasol Industries
 10755-69 Avenue NW,
 Edmonton, Alberta Canada T6H 2C9
 CANUTEC EMERGENCY #: 1-613-996-6666(24HR)

PRODUCT NAME..... ITEM #44505 DOKTOR DOOM ODORLESS FOAM MOSQUITO REPELLANT

FORMULATION #..... 012-8-65A.

CHEMICAL FAMILY..... DEET.

TRADE NAMES & SYNONYMS..... ITEM #44505, PCP ACT # 27162.

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
N,N-DIETHYL m-TOLUAMIDE 10.00	134-62-3	2000 mg/kg ORAL-RAT	5950 mg/kg INHAL-RAT
ISOPROPYL MYRISTATE 1-5	110-27-0	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE 3-7	75-28-5	NOT APPLICABLE	520,000ppm (2 hr) INHAL - MOUSE
PROPANE 1-5	74-98-6 1000 ppm	NOT APPLICABLE	NOT AVAILABLE

SECTION 03: PHYSICAL DATA

PHYSICAL STATE..... AEROSOL.

BOILING POINT (DEG C) (CONC)..... 100.

VAPOUR PRESSURE(PSIG)-AEROSOL..... 55 - 65.
 @ 20 C

VAPOUR DENSITY (AIR=1) GREATER THAN 1.
 (BY WEIGHT)

SOLUBILITY IN WATER..... SOLUBLE.

APPEARANCE..... OFF-WHITE LIQUID.

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) 22-23.

AEROSOL PERCENT VOLATILE..... 84-85.
 (BY WEIGHT)

EVAPORATION RATE..... LESS THAN 1.
 n-BUTYL ACETATE = 1

pH..... 7.3-8.3.

FREEZING POINT: (C)..... NOT AVAILABLE.

COEFFICIENT OF WATER/OIL..... NOT AVAILABLE.

DIST.

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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..... NOT AVAILABLE.
(CONCENTRATION)
AUTO IGNITION TEMPERATURE (C)..... NOT AVAILABLE.
LOWER FLAMMABLE LIMIT..... 0.8.
(% 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.
COMPATIBILITY 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..... VAPORS MAY IRRITATE.
INHALATION..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A
SIMPLE ASPHYXANT.
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..... SLIGHT.
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.

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GLOVES/ TYPE..... CHEMICAL RESISTANT GLOVES.
RESPIRATORY/TYPE..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE
RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
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 DATA SHEET IS PROVIDED
BY ULTRASOL INDUSTRIES FREE OF CHARGE. WHILE BELIEVED TO BE
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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
DATED..... January 1, 2017 Valid for 3 Years from date of Issue