

MATERIAL SAFETY DATA SHEET Item # 44202/44303/44404

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

Product: 5400-0013 DR. DOOM FUMIGATOR TOTAL RELEASE PCP # 28912

SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER.....Ultrasol Industries  
10755-69Ave  
Edmonton, Alberta  
CANADA  
T6H 2C9  
CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
PRODUCT NAME.....DR. DOOM FUMIGATOR TOTAL RELEASE  
LAB BOOK NUMBER.....012-5-159B.  
CHEMICAL FAMILY.....PYRETHRIN/PIPERONYL BUTOXIDE.  
TRADE NAMES & SYNONYMS.....PCP ACT # 28912  
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 3.  
NFPA CODE 30B.....LEVEL 3.  
HMIS RATING FLAMMABILITY.....4 SEVERE 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         |           |                           |                                    |
| 0.400              | 5 mg/m3   | 1680 mg/kg<br>ORAL - RAT  | NOT AVAILABLE                      |
| PIPERONYL BUTOXIDE |           |                           |                                    |
| 2.000              |           | 7.5-10.0 g/kg<br>ORAL-RAT | NOT AVAILABLE                      |
| ISOPROPANOL        |           |                           |                                    |
| 5-10               | 400 ppm   | >4720 mg/kg<br>ORAL - RAT | 12000 ppm (8hr)<br>INHAL - RAT     |
| HEPTANE            |           |                           |                                    |
| 30-60              | 400 ppm   | >15000 mg/kg<br>ORAL-RAT  | NOT AVAILABLE                      |
| ISOBUTANE          |           |                           |                                    |
| 10-30              |           | NOT APPLICABLE            | 520,000ppm (2 hr)<br>INHAL - MOUSE |
| PROPANE            |           |                           |                                    |

10-30

NOT APPLICABLE

NOT AVAILABLE

1000 ppm

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SECTION 03: PHYSICAL DATA

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PHYSICAL STATE.....AEROSOL.  
BOILING POINT (DEG C) (CONC).....83-92.  
VAPOUR PRESSURE(PSIG)-AEROSOL.....35 - 45.  
@ 20 C  
VAPOUR DENSITY (AIR=1).....GREATER THAN 1.  
(BY WEIGHT)  
SOLUBILITY IN WATER.....NEGLIGIBLE.  
APPEARANCE.....CLEAR YELLOW LIQUID.  
ODOR.....PYRETHRIN.  
ODOR THRESHOLD.....NOT AVAILABLE.  
SPECIFIC GRAVITY (LIQUID).....0.69-0.73.  
SPECIFIC GRAVITY (AEROSOL).....0.61-0.65.  
AEROSOL PERCENT VOC (W/W).....97-98.  
AEROSOL PERCENT VOLATILE.....97-98.  
(BY WEIGHT)  
EVAPORATION RATE.....GREATER THAN 1.  
n-BUTYL ACETATE = 1  
pH.....NOT APPLICABLE.  
FREEZING POINT: (C).....NOT AVAILABLE.  
COEFFICIENT OF WATER\OIL.....NOT AVAILABLE.  
DIST.

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SECTION 04: FIRE & EXPLOSION DATA

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AEROSOL FLAME PROJECTION  
CLASSIFIED AS:.....> 45 CM.  
FLASHBACK.....NONE.  
FLAMMABILITY.....EXTREMELY FLAMMABLE.  
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.....>-4.  
(CONCENTRA TE)  
AUTO IGNITION TEMPERATURE (C).....399.  
LOWER FLAMMABLE LIMIT.....1.2.  
(% BY VOLUME)  
UPPER FLAMMABLE LIMIT.....12.  
(% 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.

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## SECTION 05: REACTIVITY DATA

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### 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.

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## SECTION 06: TOXICOLOGICAL PROPERTIES

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### 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.

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## SECTION 07: PREVENTIVE MEASURES

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GLOVES/ TYPE.....NOT NORMALLY REQUIRED.

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.

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SECTION 08: FIRST AID MEASURES

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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.

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SECTION 09: ADDITIONAL INFORMATION

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NOTICE FROM Ultrasol Industries

..... THE INFORMATION ON THIS MATERIAL SAFETY  
 DATA SHEET IS PROVIDED BY ULTRASOL INDUSTRIES  
 FREE OF CHARGE. WHILE BELIEVED TO BE  
 RELIABLE, IT IS INTENDED FOR USE BY SKILLED  
 PERSONS AT THERE OWN RISK. ULTRASOL  
 INDUSTRIES. 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.....1/1/2017 Valid for 3 Years from this date.