

MATERIAL SAFETY DATA SHEET ITEM # 66303

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Ultrasol Industries  
10755-69 Avenue  
Edmonton, Alberta CANADA T6H 2C9  
CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
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Product: 5400-0010 DR. DOOM HOUSE & GARDEN SPRAY 515 Gram  
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SECTION 01: MANUFACTURER INFORMATION  
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MANUFACTURER.....Ultrasol Industries  
10755-69 Avenue  
Edmonton, Alberta  
CANADA  
T6H 2C9  
CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
PRODUCT NAME.....5400-0010 DR. DOOM HOUSE & GARDEN  
FORMULATION #.....012-6-117.  
CHEMICAL FAMILY.....PERMETHRIN.  
TRADE NAMES & SYNONYMS.....PCP ACT # 26140.  
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.  
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SECTION 02: HAZARDOUS INGREDIENTS  
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%	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
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PERMETHRIN

0.250		>2500 mg/kg	NOT AVAILABLE
	NOT AVAILABLE	ORAL - RAT	

ODOURLESS MINERAL SPIRITS

5-10		>5000 mg/kg	NOT AVAILABLE
	100 ppm	ORAL - RAT	

ISOBUTANE

10-30

NOT APPLICABLE 142,500 ppm (4h)  
INHAL - RAT

PROPANE

1-5

1000 ppm

NOT APPLICABLE NOT AVAILABLE

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SECTION 03: PHYSICAL DATA

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PHYSICAL STATE.....AEROSOL.  
BOILING POINT (DEG C)(CONC).....>100.  
VAPOUR PRESSURE(PSIG)-AEROSOL.....50-60.  
@ 20 C  
VAPOUR DENSITY (AIR=1).....GREATER THAN 1.  
(BY WEIGHT)  
SOLUBILITY IN WATER.....SOLUBLE.  
APPEARANCE.....WHITE EMULSION.  
ODOR.....HYDROCARBON.  
ODOR THRESHOLD.....NOT AVAILABLE.  
SPECIFIC GRAVITY (LIQUID).....0.94-0.98.  
SPECIFIC GRAVITY (AEROSOL).....0.75-0.79.  
AEROSOL PERCENT VOC (W/W).....39-40.  
AEROSOL PERCENT VOLATILE.....98-99.  
(BY WEIGHT)  
EVAPORATION RATE.....LESS THAN 1.  
n-BUTYL ACETATE = 1  
pH.....6.5 - 7.5.  
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:.....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.....> 43.

(CONCENTRA TE)

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

LOWER FLAMMABLE LIMIT.....1.

(% 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.

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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.....VAPORS MAY IRRITATE.

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.....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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#### SECTION 07: PREVENTIVE MEASURES

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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.

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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 Ultrazol 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 THEIR 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.

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