

MATERIAL SAFETY DATA SHEET

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

Product: ITEM # 11606 # 66305 DR. DOOM RESIDUAL INSECTICIDE PCP ACT # 28992

SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER.....Ultrasol Industries  
 10755-69 Avenue  
 Edmonton, Alberta  
 CANADA  
 T6H 2C9  
 CANUTEC EMERGENCY #:1-613-996-6666(24HR)  
 PRODUCT NAME.....5400-0014 DR. DOOM RESIDUAL INSECTICIDE  
 FORMULATION #.....012-6-271/012-4-139B.  
 CHEMICAL FAMILY.....PERMETHRIN.  
 TRADE NAMES & SYNONYMS.....PCP ACT # 28992  
 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
PERMETHRIN			
0.50	52645-53-1 NOT AVAILABLE	>2500 mg/kg ORAL - RAT	NOT AVAILABLE
ODOURLESS MINERAL SPIRITS			
		>5000 mg/kg ORAL - RAT	NOT AVAILABLE
ISOBUTANE			
		NOT APPLICABLE	520,000ppm (2 hr) INHAL - MOUSE
PROPANE			
		NOT APPLICABLE	NOT AVAILABLE

SECTION 03: PHYSICAL DATA

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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DATED.....1/1/2015 valid for 3 years