

MATERIAL SAFETY DATA SHEET : 00003431

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

Product: 5400-0013 DR. DOOM FUMIGATOR TOTAL RELEASE

SECTION 01: MANUFACTURER INFORMATION

MANUFACTURER.....Ultrasol Industries
 10755-69Ave
 Edmonton, Alberta
 CANADA
 T6H 2C9
 CANUTEC EMERGENCY #:1-613-996-6666(24HR)
 PRODUCT NAME.....5400-0013 DR. DOOM FUMIGATOR TOTAL RELEASE
 LAB BOOK NUMBER.....012-5-159B.
 CHEMICAL FAMILY.....PROPOXUR/PIPERONYL BUTOXIDE.
 TRADE NAMES & SYNONYMS.....SAME AS PRODUCT NAME.
 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
0.400	PYRETHRINS	1680 mg/kg ORAL - RAT	NOT AVAILABLE
2.000	PIPERONYL BUTOXIDE	7.5-10.0 g/kg ORAL-RAT	NOT AVAILABLE
	ISOPROPANOL	>4720 mg/kg ORAL - RAT	INHAL - RAT
	HEPTANE	>15000 mg/kg ORAL-RAT	NOT AVAILABLE
	ISOBUTANE	NOT APPLICABLE	INHAL - MOUSE
	PROPANE		

NOT APPLICABLE

NOT AVAILABLE

SECTION 03: PHYSICAL DATA

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.

SECTION 04: FIRE & EXPLOSION DATA

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.

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.

HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR.

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
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.

SECTION 07: PREVENTIVE MEASURES

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.

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.
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SECTION 09: ADDITIONAL INFORMATION

NOTICE FROM Ultramol Industries	THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY Ultramol Industries FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY Ultramol 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.....	11/30/2005

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