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MATERIAL SAFETY DATA SHEET**PYRETHRIN SPRAY 5-25**

DATE PREPARED: January 11, 2013

24-HOUR EMERGENCY RESPONSE NUMBER:**CALL CANUTEC COLLECT: 613-996-6666**

PEST CONTROL PRODUCT REGISTRATION NUMBER 9371

**SECTION 1
PRODUCT IDENTIFICATION AND USE**

PRODUCT NAME:	PYRETHRIN 5-25
CHEMICAL FAMILY:	BOTANICAL & SYNERGIST
CHEMICAL NAME & SYNONYMS:	PYRETHRINS & PIPERONYL BUTOXIDE
TRADE NAME:	SYNERGIZED PYRETHRINS

**SECTION 2
HAZARDOUS INGREDIENTS**

HAZARDOUSE INGREDIENTS	%	CURRENT TLV ¹
PYRETHRINS	0.5	LD50>1800 MG/KG
PIPERONYL BUTOXIDE	2.5	LD50 7500 MG/KG
PETROLEUM SOLVENT (ISOPARAFFIN)	97.0	300 PPM

**SECTION 3
PHYSICAL DATA**

PHYSICAL STATE: LIQUID	APPEARANCE: LIGHT AMBER	ODOUR: SOLVENT ODOUR	SPECIFIC GRAVITY: 0.801 Kg/L
VAPOUR DENSITY: N.E.	SOLUBILITY IN WATER: SLIGHT	MELT POINT: N.E.	
VAPOUR PRESSURE: N.E.		% VOLATILE BY VOLUME: 100	BOILING POINT: N.E.

**SECTION 4
FIRE AND EXPLOSION DATA**

FLASH POINT: 81.1° C (T.C.C.)	FLAMMABLE LIMIT: Le ^l 0.6 Ue ³ 6.5 SOLVENT	EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, FOG, WATER
SPECIAL FIRE-FIGHTING PROCEDURES, UNUSUAL FIRE OR EXPLOSION HAZARDS: EVACUATE HAZARD AREA. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER. HANDLE AS A FLAMMABLE LIQUID FIRE.		

**SECTION 5
TOXICITY DATA**

LD50, ORAL (INGESTION): >1800Mg/Kg (PYRETHRINS 100%)	LD50, DERMAL (SKIN CONTACT): 1800 Mg/Kg (PYRETHRIN)	LC50, INHALATION: N.E.
FISH, LC50: TOXIC TO FISH	TLV (UNITS) (THRESHOLD LIMIT VALUE): 0.1mg/m ³	SKIN IRRITATION: IRRITATION PROLONGED EXPOSURE
EFFECTS TO EYE: IRRITATION BY SOLVENT	EFFECTS TO LUNG: IRRITATION TO MEMBRANES	
EMERGENCY AND FIRST AID PROCEDURES, EFFECTS OF OVER EXPOSURE: PERSONS WITH A HISTORY OF ALLERGY OR ASTHMA MAY BE SENSITIVE TO PYRETHRINS. INGESTION OR INHALATION MAY CAUSE IRRITATION OF MUCUS MEMBRANES. DO NOT INDUCE VOMITING DUE TO POSSIBLE ASPIRATION OF SOLVENT INTO LUNGS. SEEK MEDICAL TREATMENT. IN EYES - FLUSH WITH WATER FOR 15 MINUTES. DERMAL - IRRITATION FROM PROLONGED EXPOSURE - WASH WITH SOAP & WATER.		

¹ Threshold Limit Value² Lower Explosion Limit³ Upper Explosion Limit

**SECTION 6
REACTIVITY DATA**

STABILITY: STABLE	CONDITIONS TO AVOID: EXCESSIVE HEAT
IMCOMPATABILITY (MATERIALS TO AVOID): AVOID ALKALINE MATERIALS	
HAZARDOUS DECOMPOSITION PRODUCTS:	

**SECTION 7
SPILL OR LEAK PROCEDURE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL SOURCES OR IGNITION. CONTAIN SPILL WITH ABSORBANT MATERIAL. SHOVEL MATERIAL INTO DISPOSAL CONTAINER. DECONTAMINATE AREA WITH SOLUTION OF BLEACH, LYE OR CAUSTIC SODA. REPEAT WITH DETERGENT SOLUTION.
WASTE DISPOSAL METHOD: DISPOSE BY BURYING IN LANDFILL OR BY INCINERATION APPROVED FOR PESTICIDE DESTRUCTION. FOLLOW LOCAL GOVERNMENT REGULATIONS.

**SECTION 8
SPECIAL PROTECTION DATA**

RESPIRATOR TYPE: SUITABLE FOR ORGANIC VAPOURS OR USE IN WELL- VENTILATED AREAS.	
EYE PROTECTION: GOGGLES	GLOVES: NEOPRENE
OTHER PROTECTIVE EQUIPMENT:	

**SECTION 9
SPECIAL PRECAUTIONS & STORAGE DATA**

STORAGE TEMPERATURE (OPTIMUM):	AVERAGE SHELF LIFE:
SPECIAL SENSITIVITY (HEAT, LIGHT, MOISTURE): KEEP AWAY FROM SOURCES OF HEAT AND IGNITION.	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, LOCKED AREA.	

**SECTION 10
SHIPPING DATA**

T.D.G. ACT SHIPPING NAME: N/A			
CLASSIFICATION: N/A	UN/NA NO.: N/A	PACKING GROUP: N/A	PLACARDS REQUIRED: N/A
TECHNICAL SHIPPING NAME: PYRETHRINS			
TRANSPORTATION EMERGENCY TELEPHONE NO.: 1-800-561-7302 EXT. 5000			
PREPARED BY: GARDEX CHEMICALS LTD.	PHONE NUMBER: (416) 675-1638	DATE: JANUARY 11. 2013	

N.E. = NOT ESTABLISHED N.A. = NOT APPLICABLE A.I. = ACTIVE INGREDIENT

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