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MATERIAL SAFETY DATA SHEET

PYRETHRIN 5-25

DATE PREPARED: January 26, 2016

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
HAZARDS

HAZARDS		
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. .	EYE IRRITANT (SOLVENT) IN EYES - FLUSH WITH WATER FOR 15 MINUTES	DERMAL - IRRITATION FROM PROLONGED EXPOSURE - WASH WITH SOAP & WATER.
		RESPIRATORY: IRRITATION TO MEMBRANES

SECTION 3
HAZARDOUS INGREDIENTS

HAZARDOUSE INGREDIENTS	%	CURRENT TLV¹
PYRETHRINS	0.5	LD50>1800 MG/KG
PIPERONYL BUTOXIDE	2.5	LD50 7500 MG/KG
PETROLEUM SOLVENT (ISOPARAFFIN)	97.0	300 PPM

SECTION 4
FIRST AID MEASURES

<p>FIRST AID: If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor.</p> <p>Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.</p> <p>If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.</p> <p>If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</p> <p>Call a poison control centre or doctor for treatment advice.</p>

**SECTION 5
FIRE AND EXPLOSION DATA**

FLASH POINT: 45.0° C (T.C.C.)	FLAMMABLE LIMIT: Lel ² N/E Uel ³ N/E	EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CO ₂ , 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 6
ACCIDENTAL RELEASE MEASURES**

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.

**SECTION 7
HANDLING & STORAGE**

STORAGE TEMPERATURE (OPTIMUM): 16 – 20 deg. C	AVERAGE SHELF LIFE: 5 YRS
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 8
PPE 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
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 10
REACTIVITY DATA**

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

**SECTION 11
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.		

**SECTION 12
ECOLOGICAL DATA**

TOXIC TO FISH AND WILDLIFE: AVOID CONTAMINATION OF WATERWAYS, STANDING WATER OR MEANS OF RUN-OFF.	ENVIRONMENTAL PRECAUTIONS: This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.
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**SECTION 13
WASTE DISPOSAL**

DISPOSAL: 1. Triple or pressure rinse the empty container. Add the rinsate to the spray mixture in the tank. 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills. FOLLOW LOCAL PROVINCIAL AND GOVERNMENT REGULATIONS ON DISPOSAL OR RECYCLING OF CONTAINER.

**SECTION 14
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. 500			
PREPARED BY: GARDEX CHEMICALS LTD.	PHONE NUMBER: (416) 675-1638	DATE: FEBRUARY 1, 2005	

**SECTION 15
REGULATORY INFORMATION**

THIS PRODUCT IS REGULATED BY THE PMRA PEST CONTROL PRODUCTS ACT. PCP # 9371 READ THE LABEL BEFORE USING
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**SECTION 16
OTHER**

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of GARDEX CHEMICALS LTD. The data on this sheet relates only to the specific material designated herein. GARDEX CHEMICALS LTD. assumes no legal responsibility for use or reliance upon this data.
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¹ Threshold Limit Value

² Lower Explosion Limit

³ Upper Explosion Limit

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