

## MATERIAL SAFETY DATA SHEET

**MGK**<sup>®</sup>**PyGanic**<sup>®</sup> PROPage:  
Revision Date:1 of 2  
2/9/2005

McLaughlin Gormley King Company

PRODUCT CODE: 007444B

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

PRODUCT CODE:	007444B, EPA REG. NO. : 1021-1772		
PRODUCT NAME:	PyGanic <sup>®</sup> PRO		
PRODUCT DESCRIPTION:	An Organically Compliant Insecticide for use by Pest Management Professionals.		
CHEMICAL NAME:	Mixture		
MANUFACTURER:	McLaughlin Gormley King Company, 8810 10 <sup>th</sup> Avenue North, Minneapolis, MN. 55427		
TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30 GMT:	(800) 645-6466 or (763) 544-0341		
MSDS & Product Information, 8:00-4:30 CST, 14:00-22:30 GMT:	(800) 645-6466 or (763) 544-0341		
24 HOUR EMERGENCY PHONE (CHEMTREC)		CHEMTREC	
U.S. and CANADA:	(800)-424-9300	(ALL OTHER AREAS):	(703) 527-3887
For information regarding medical emergencies or pesticide incidents, call the International Poison Center at: 1-888-740-8712			

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313 de minimus conc.	% BY WEIGHT
Pyrethrins	008003-34-7	5 mg/m <sup>3</sup> (OSHA, ACGIH)	Not Applicable	5.0
PEL = Permissible Exposure Limits. TLV = Threshold Limit Value.		TWA = Time Weighted Average (8 hour). STEL = Short Term Exposure Limit (15 minute's).		
COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.				

**3. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW**

**WARNING.** Causes skin irritation. May be harmful if swallowed due to skin irritation effects. Use of this product may cause skin reactions in rare cases among certain sensitive individuals. Take prudent precautions to avoid contact with skin, eyes, and clothing.

<b>EYES:</b>	Causes temporary irritation, tearing, and blurred vision.
<b>SKIN:</b>	Can cause skin irritation. Can cause a burning or pricking sensation on more sensitive areas (face, eyes, mouth). Use of this product may cause skin reactions in rare cases among certain sensitive individuals.
<b>SKIN ABSORPTION:</b>	May be harmful if absorbed through the skin.
<b>INGESTION:</b>	May be harmful if swallowed due to skin irritation effects.
<b>INHALATION:</b>	Excessive inhalation may be irritating to the respiratory tract.
<b>CHRONIC EFFECTS:</b>	None known.
<b>CARCINOGENICITY:</b>	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.
<b>Carcinogenicity/ Oncogenicity: Pyrethrins</b>	Pyrethrum has been tested in chronic feeding studies in mice and rats. Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following high doses of Pyrethrum. Further detailed scientific studies into the mechanism causing these responses indicate that these effects in the animals only occur at doses greatly exceeding the likely human exposure levels. Thus, the effects seen in animals are of little relevance to humans.

**4. FIRST-AID MEASURES**

<b>FIRST AID PROCEDURES:</b>	
<b>EYES:</b>	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. Call a poison control center or doctor for treatment advice.
<b>SKIN:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>INHALATION:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>INGESTION:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>NOTE TO PHYSICIANS:</b>	For skin effects, a highly efficient therapeutic agent for Pyrethrin exposure is topical application of Tocopherol Acetate (Vitamin E).

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**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** >200 °F/ 93.3 °C **METHOD:** TAG Closed Cup

This product is NOT classified as a combustible or flammable liquid by OSHA.

**LOWER FLAMMABLE LIMIT:** not established.

**UPPER FLAMMABLE LIMIT:** not established.

**AUTOIGNITION TEMPERATURE:** not established.

**HAZARDOUS COMBUSTION PRODUCTS:** Under fire conditions this product may support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

**EXTINGUISHING MEDIA:** Foam, carbon dioxide, or dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** Treat as an oil fire. Keep personnel removed and upwind of fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with water spray. Contain the run-off, if possible, for proper disposal.

**6. ACCIDENTAL RELEASE MEASURES:**

**SMALL SPILL:** Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**LARGE SPILL:** Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pump etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent

**WASTE DISPOSAL METHOD:** Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

**RCRA \ CERCLA HAZARDOUS WASTE:**

INGREDIENT	RCRA ID#:	CERCLA RQ-VALUE
Pyrethrins	Not available	1 Lb.

**7. HANDLING AND STORAGE**

**HANDLING:** Take prudent precautions to avoid contact with skin, eyes, and clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. Avoid breathing vapors or spray mists of this product. Wearing a respirator is not normally required when handling this material, but recommended in the absence of good mechanical ventilation. Do not contaminate water, food or feedstuffs by storage, handling or disposal. Read and observe all precautions and instructions on the label.

**STORAGE:** Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, open flame, ignition sources, and strong oxidizers. Emptied containers may retain product residues. **KEEP OUT OF REACH OF CHILDREN.**

**WORK HYGIENIC PRACTICES:** **DO NOT SMOKE, EAT, DRINK OR APPLY COSMETICS IN WORK AREA!** Wash Promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, and using the toilet.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE LIMITS:** Not established by OSHA or ACGIH (see Section 2 for individual components).

**ENGINEERING CONTROLS:** Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

**RESPIRATORY PROTECTION:** Not normally required. Use in well ventilated areas.

**SKIN PROTECTION:** Take prudent precautions to avoid contact with skin and clothing.

**EYE PROTECTION:** Take prudent precautions to avoid contact with eyes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Clear, amber-colored liquid.	<b>MELTING POINT:</b>	Not available
<b>ODOR:</b>	Vegetable oil odor.	<b>SOLUBILITY IN WATER:</b>	Not available
<b>PHYSICAL STATE:</b>	Liquid	<b>SPECIFIC GRAVITY:</b>	0.983 @ 20°C (68°F)
<b>VAPOR PRESSURE:</b>	Not available	<b>COLOR, (GARDNER):</b>	Not available
<b>VAPOR DENSITY:</b>	Heavier than air.	<b>pH:</b>	5.53 @ 5% in water.
<b>BOILING POINT:</b>	Not available	<b>VISCOSITY:</b>	148.17 CPS @ 24°C (75.2°F)
<b>VOC:</b>	< 1%	<b>REFRACTIVE INDEX:</b>	Not available

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable. **INCOMPATIBILITY:** Strong acidic or alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not applicable. **HAZARDOUS POLYMERIZATION:** Will not occur.

**11. OTHER INFORMATION**

**HMIS RATINGS:**

We assign HMIS ratings to this product based on the hazards of its ingredient(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with information contained in Section's 7 and 8 of this MSDS.

<b>HMIS RATINGS:</b>	Health	2
	Flammability	1
	Reactivity	1

*The data contained herein is based on information currently available to the McLaughlin Gormley King Company, and believed to be factual and the opinion expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which the McLaughlin Gormley King Company assumes legal responsibility.*

Material Safety Data Sheet prepared by T. Azzivi

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