

MATERIAL SAFETY DATA SHEET



McLaughlin Gormley King Company

PRODUCT CODE: 017338

PYROCIDE® 100

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Revision Date: 1/19/2005

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE:	017338, EPA REG. NO. : 1021-1424		
PRODUCT NAME:	PYROCIDE® 100		
PRODUCT DESCRIPTION:	An insecticide for indoor use as a ULV fogger, space area, contact spray, or thermal fog.		
CHEMICAL NAME:	Mixture		
MANUFACTURER:	McLaughlin Gormley King Company, 8810 Tenth 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		
CHEMTREC U.S. and CANADA:	(800)-424-9300	CHEMTREC (ALL OTHER AREAS):	(703) 527-3887
FOR INFORMATION REGARDING MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS CALL THE INTERNATIONAL POISON CENTER AT: 1-888-740-8712 in U.S and CANADA or 651-632-6191 from all other areas			

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 ³ (OSHA, ACGIH)	Not Applicable	1.00
Piperonyl Butoxide	000051-03-6	Not established	1.00	2.00
MGK® 264 Insecticide Synergist	000113-48-4	Not established	Not Applicable	3.00
Paraffinic, Naphthenic solvent	064742-47-8	100ppm (525mg/m ³) TWA Supplier	Not Applicable	75←→95

PEL = Permissible Exposure Limits.
TLV = Threshold Limit Value.

TWA = Time Weighted Average (8 hr).
STEL = Short Term Exposure Limit (15 min.).

COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

EMERGENCY OVERVIEW:	CAUTION. OSHA-COMBUSTIBLE LIQUID. DO NOT use or store near heat, sparks, open flame, or any other ignition sources. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Contains petroleum distillates; vomiting may pose an aspiration pneumonia hazard. Wear a MSHA/NIOSH-approved respirator. See Section 7 (Handling) or Section 8 (Personal Protective Equipment) for detailed respirator specifications.
EYES:	May cause temporary irritation, tearing, and blurred vision.
SKIN:	Can cause skin irritation. Can cause a burning or pricking sensation on more sensitive areas (face, eyes, mouth).
SKIN ABSORPTION:	Harmful if absorbed through the skin.
INGESTION:	Harmful if swallowed. Small amounts of this material may get into the lungs during ingestion or vomiting and may cause mild to severe lung injury.
INHALATION:	Harmful if inhaled.
CHRONIC EFFECTS:	None known.
CARCINOGENICITY:	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.
Carcinogenicity/ Oncogenicity: Pyrethrins and PBO	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. Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The doses at which tumors were observed for pyrethrum and PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceed anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

4. FIRST-AID MEASURES

FIRST AID PROCEDURES:

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. Call a poison control center or doctor for treatment advice.
SKIN:	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.
INHALATION:	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.
INGESTION:	Immediately call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.
NOTE TO PHYSICIANS:	This product contains Pyrethrins and Petroleum Distillates; Vomiting may pose an aspiration pneumonia hazard. For skin effects, a highly efficient therapeutic agent for Pyrethrin exposure is topical application of Tocopherol Acetate (Vitamin E).

24 HOUR EMERGENCY PHONE (CHEMTREC): (800)-424-9300 (ALL OTHER AREAS): (703) 527-3887

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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: 182 °F/ 83.3 °C **METHOD:** TAG Closed Cup

This product is classified as an **OSHA-COMBUSTIBLE LIQUID.**

LOWER FLAMMABLE LIMIT: not established. **UPPER FLAMMABLE LIMIT:** not established.

AUTOIGNITION TEMPERATURE: not established.

SENSITIVE STATIC DISCHARGE: Yes, use proper bonding and/ or grounding procedures.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product will 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 a water spray. Contain the run-off, if possible, for proper disposal.

6. ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: Shut off ignition sources. 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: Shut off ignition sources. 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, pumps, 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		1 Lb.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: DO NOT APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. Do not use or store near heat, sparks, open flame, or any other ignition sources.

HANDLING: Wear a pesticide respirator with an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/ NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/ NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) removing cartridge or canister with any R, P, or HE prefilter. Take prudent precautions to avoid contact with skin, eyes, and clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. 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, 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: Wear a pesticide respirator with an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/ NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/ NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) removing cartridge or canister with any R, P, or HE prefilter.

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

APPEARANCE:	Clear, golden-yellow liquid.	MELTING POINT:	Not available
ODOR:	Slight sweet-smell.	SOLUBILITY IN WATER:	Immiscible in water.
PHYSICAL STATE:	Liquid	SPECIFIC GRAVITY:	0.797 (water = 1.0) @ 20°C (68°F)
VAPOR PRESSURE:	Not available	COLOR, (GARDNER):	6.5
VAPOR DENSITY:	Heavier than air.	pH:	Not available
BOILING POINT:	Not available	VISCOSITY:	9 CPS @ 24°C (75.2°F) Brookfield
VOC:	<2%	REFRACTIVE INDEX:	1.4449 @ 25°C (77°F)

10. STABILITY AND REACTIVITY

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

HAZARDOUS DECOMPOSITION PRODUCTS: NO, NO₂, CO, CO₂ gases **HAZARDOUS POLYMERIZATION:** Will not occur.

11. OTHER INFORMATION

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

Material Safety Data Sheet prepared by T. Azzivitto

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