



McLaughlin Gormley King Company

PRODUCT CODE: 015628

MATERIAL SAFETY DATA SHEET

PYROCIDE® 300

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Revision Date: 3/25/2009

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE:	015628, EPA REG. NO. : 1021-1177		
PRODUCT NAME:	PYROCIDE® 300		
PRODUCT DESCRIPTION:	An insecticide for indoor use as a ULV fogger, space area, contact spray, or thermal fog.		
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: 1-888-740-8712 in U.S and CANADA or 952-852-9509 from all other areas			

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

**CAUTION. OSHA-COMBUSTIBLE LIQUID. DO NOT use or store near heat, sparks, open flame, or any other ignition sources. Harmful if absorbed through the skin. Contains petroleum distillates - Vomiting may cause aspiration pneumonia. Avoid contact with skin, eyes, and clothing. Wear a long-sleeved shirt and long pants, shoes and socks. Wear chemically-impervious gloves such as Barrier Laminate, Neoprene Rubber, Nitrile Rubber, or Viton.**

- EYES:** May cause temporary irritation, tearing, and blurred vision.
- SKIN:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- SKIN ABSORPTION:** Harmful if absorbed through the skin.
- INGESTION:** May be harmful if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung injury.
- INHALATION:** Excessive inhalation of mists can cause nasal and respiratory irritation.
- 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**  
 Carcinogenicity/ Oncogenicity –Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following lifetime administration of high doses of Pyrethrins. Further detailed scientific studies into the mode of action responsible for these effects show that:

- Because of biological species differences, the rat thyroid tumors are not relevant to humans;
- The rat liver tumors occur in animals *only* at doses greatly exceeding human exposure levels and that cause cell proliferation (mitogenesis).

Based on these data, the USEPA has classified Pyrethrins as “Not Likely to be Carcinogenic to Humans” at doses that do not cause a mitogenic response in the liver/cell proliferation.” Thus, Pyrethrins can be considered to be non-carcinogenic at exposure levels relevant to human use of Pyrethrins-containing products. 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.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**CALIFORNIA PROPOSITION 65:** This product DOES NOT contain any known ingredients for which the State of California has found to cause cancer, birth defects, or other reproductive harm, which requires a warning under the statute.

3. 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/m³ (OSHA, ACGIH)	Not Applicable	3.00
Piperonyl Butoxide	000051-03-6	Not established	1.00	6.00
MGK® 264 Insecticide Synergist	000113-48-4	Not established	Not Applicable	10.0
Paraffinic, Naphthenic solvent	064742-47-8	100ppm (525mg/m³) TWA Supplier	Not Applicable	60←→90

PEL = Permissible Exposure Limits. TWA = Time Weighted Average (8 hr).  
 TLV = Threshold Limit Value. STEL = Short Term Exposure Limit (15 min.).

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

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. Do not 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 personal 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	N/a	1 Lb.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: COMBUSTIBLE LIQUID. DO NOT USE IN OR AROUND 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 chemically-impervious gloves such as Barrier Laminate, Neoprene Rubber, Nitrile Rubber, or Viton. Wear a long-sleeved shirt, long pants, shoes and socks. Do not contaminate water, feed or food 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: Ventilate treatment area thoroughly before re-entry.

RESPIRATORY PROTECTION: Not required.

SKIN PROTECTION: Wear chemically impervious gloves such as Barrier Laminate, Neoprene Rubber, Nitrile Rubber, or Viton.

EYE PROTECTION: Wear a long-sleeved shirt, long pants, shoes and socks.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Dark, amber-colored liquid.	MELTING POINT:	Not available
ODOR:	Odor of petroleum distillates.	SOLUBILITY IN WATER:	Immiscible in water.
PHYSICAL STATE:	Liquid	SPECIFIC GRAVITY:	0.827 (water = 1.0) @ 20°C (68°F)
VAPOR PRESSURE:	Not available	COLOR, (GARDNER):	8.5
VAPOR DENSITY:	Heavier than air.	pH:	Not Applicable
BOILING POINT:	Not available	VISCOSITY:	10.5 CPS @ 24.5°C (76.1°F) Brookfield
VOC:	<6%	REFRACTIVE INDEX:	1.448 @ 25°C (77°F)

10. STABILITY AND REACTIVITY

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

HAZARDOUS DECOMPOSITION PRODUCTS: NO, NO<sub>2</sub>, CO, CO<sub>2</sub> gases HAZARDOUS POLYMERIZATION: Will not occur.

11. OTHER INFORMATION

The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are 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