

**MATERIAL SAFETY DATA SHEET**

**SPECKOZ, INC.**

PRODUCT CODE: 007419-01

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9/16/2004

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

PRODUCT CODE:	007419-01	EPA REG. NO. :	1021-1662
PRODUCT NAME:	<b>SPECKOZ™ PYROCIDE® Total Release Fogger</b>		
PRODUCT DESCRIPTION:	A Fogging Insecticide Aerosol		
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		
24 HOUR EMERGENCY PHONE (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			

**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	0.50
Piperonyl Butoxide	000051-03-6	Not established	1.0	1.0
MGK® 264 Insecticide Synergist	000113-48-4	Not established	Not Applicable	1.0
Liquefied Petroleum Gas	068476-85-7	1000 ppm (1800 mg / m <sup>3</sup> ) TWA (OSHA, NIOSH, ACGIH)	Not Applicable	35
Paraffinic, Naphthenic solvent (Supplier recommended PEL)	64742-47-8	100ppm (525mg/m <sup>3</sup> ) TWA	Not Applicable	5 ← → 15
Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.				
PEL = Permissible Exposure Limits. TLV = Threshold Limit Value.		TWA = Time Weighted Average (8 hr). STEL = Short Term Exposure Limit (15 min.).		

**3. HAZARDS IDENTIFICATION**

<b>EMERGENCY OVERVIEW:</b>	CAUTION. HIGHLY FLAMMABLE AEROSOL. DO NOT use near heat, open flame. Shut off all ignition sources before using. Can cause eye skin and respiratory tract irritation. Harmful if swallowed or absorbed through skin. Contents under pressure DO NOT expose to temperatures above 130°F (54.4°C) or violent bursting may occur.
<b>EYES:</b>	Can cause irritation with discomfort, tearing and blurred vision.
<b>SKIN:</b>	Overexposure by skin contact may initially include a transient (several minutes up to approximately 24 hours) persistent burning or prickling sensation, which may be accompanied by visible irritation or rash.
<b>INGESTION:</b>	May be harmful if swallowed. Overexposure by ingestion may initially include nonspecific discomfort, such as nausea, vomiting, headache, or weakness; temporary nervous system effects such as muscular weakness, tremors and lack of coordination. Small amounts of this material may get into the lungs during ingestion or vomiting and may cause mild to severe lung injury.
<b>INHALATION:</b>	May be harmful if inhaled. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.
<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. In a recent study, marginally higher incidences of benign thyroid, parathyroid, ovary and liver tumors were observed in rats and in lungs of mice following lifetime high dose exposures to pyrethrum. Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for pyrethrum and PBO greatly exceeded potential human exposure from labeled uses.
<b>SAFETY:</b>	ALWAYS Wear safety glasses and appropriate personal protective equipment when handling this material.

**4. FIRST-AID MEASURES**

<b>FIRST AID PROCEDURES:</b>	
<b>EYES:</b>	Hold eye open and rinse slowly and gently with water for 5-20 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>	Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advise.
<b>INGESTION:</b>	Call a poison control center or doctor immediately for treatment advice. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
<b>NOTE TO PHYSICIANS:</b>	For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

**5. FIRE FIGHTING MEASURES**

<b>FLAMMABLE PROPERTIES:</b>			
<b>FLASH POINT:</b>	N/A	<b>°F</b>	<b>METHOD:</b> TCC
The Aerosol is classified as HIGHLY FLAMMABLE			

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LOWER FLAMMABLE LIMIT: not established.
UPPER FLAMMABLE LIMIT: not established.
AUTOIGNITION TEMPERATURE: not established.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.
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.

7. HANDLING AND STORAGE

HANDLING: Do not breathe vapor or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling Wash clothing after use. Discard shoes if contaminated. Do not store or consume food, drink or tobacco in areas where they may have become contaminated with this product. Wear chemically impervious gloves such as neoprene or nitrile. Wear OSHA-approved safety glasses, goggles or face shield. Wearing a respirator is not required when handling this material as directed but recommended in absence of proper mechanical ventilation or if necessary to avoid breathing sprays or mists of this product. 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.
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

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.
RESPIRATORY PROTECTION: Leave premises after activating unit. NIOSH approved organic vapor respirator with organic vapor cartridge.
SKIN PROTECTION: Wear neoprene or nitrile gloves and protective clothing. Do not allow contact with skin.
EYE PROTECTION: Wear OSHA-approved safety glasses, goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Pale yellow-colored opaque liquid.
ODOR: Petroleum distillate odor
PHYSICAL STATE: Pressurized gases and Liquid
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not established
BOILING POINT: Not available
MELTING POINT: Not applicable
SOLUBILITY IN WATER: Partially miscible in water
SPECIFIC GRAVITY: .972 @ 20°C (water = 1.00)
COLOR, (GARDENER): Not applicable
pH: Not applicable.
VISCOSITY: 3020 CPS at 23°C (non-volatile portion)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
INCOMPATIBILITY: Strong acidic or alkaline materials.
HAZARDOUS DECOMPOSITION PRODUCTS: None.
HAZARDOUS POLYMERIZATION: Will not occur.

11. OTHER INFORMATION

The data contained herein is based on information currently available to MGK 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 MGK Company assumes legal responsibility.

Material Safety Data Sheet prepared by T.A. Lennan