

**MATERIAL SAFETY DATA SHEET**

**SPECKOZ, INC.**

PRODUCT CODE: 002662-01

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9/16/2004

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

PRODUCT CODE:	002662-01 EPA REG. NO. : 1021-1641-72113		
PRODUCT NAME:	<b>SPECKOZ® EVERCIDE Esfenvalerate EC</b>		
PRODUCT DESCRIPTION:	Pyrethroid Insecticide Concentrate		
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	<b>CHEMTREC (ALL OTHER AREAS):</b>	(703) 527-3887
For information regarding medical emergencies or pesticide incidents, call the International Poison Center at: <b>1-888-740-8712</b>			

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313 de minimus conc.	% BY WEIGHT
Esfenvalerate [(S)-Cyano (3-phenoxyphenyl) methyl 4-chloro-alpha-(1 - methylethyl) benzeneacetate]	66230-04-4	2 mg/m <sup>3</sup> (TWA, skin) (supplier recommended)	1.00	3.48
Paraffinic, Naphthenic solvent (Supplier recommended PEL)	64742-47-8	100ppm (525mg/m <sup>3</sup> ) TWA	Not applicable	50.00-90.00
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 May be harmful if swallowed or inhaled. Causes eye irritation. Can cause allergic skin reaction. Avoid contact with skin, eyes or clothing. Combustible Liquid. Do not use near heat or open flame.
<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 pricking 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 incoordination. 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. The degree of injury will depend on the airborne concentration and duration of exposure. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Individuals with preexisting diseases of the liver, kidneys, skin or peripheral nervous system may have increased susceptibility to the toxicity of excessive exposures.
<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>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>	Treatment is supportive and symptomatic. Diazepam has been recommended to reduce the CNS effects of <b>Esfenvalerate</b> . Contains Petroleum Distillates-vomiting may pose an aspiration pneumonia hazard. Probable mucosal damage and danger of aspiration pneumonia may contraindicate the use of gastric lavage

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**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** 145 °F **METHOD:** TAG Closed Cup

This product is classified as a combustible liquid.

**LOWER FLAMMABLE LIMIT:** not established.

**UPPER FLAMMABLE LIMIT:** not established.

**AUTOIGNITION TEMPERATURE:** not established.

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen cyanide may be produced by thermal degradation.

**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 no required when handling this material but recommended in absence of proper mechanical ventilation. 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.

**ELECTROSTATIC ACCUMULATION:** This product contains petroleum distillate for which there is the potential for electrostatic accumulation. Proper grounding procedures should be used when transferring this material.

**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:** A respirator with an organic cartridge is required when product is dispensed in a mist or vapor form.

**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**

<b>APPEARANCE:</b>	Pale yellow-colored liquid.	<b>MELTING POINT:</b>	Not applicable
<b>ODOR:</b>	Petroleum distillate odor	<b>SOLUBILITY IN WATER:</b>	Miscible with water, soluble in organics
<b>PHYSICAL STATE:</b>	Liquid	<b>SPECIFIC GRAVITY:</b>	0.853
<b>VAPOR PRESSURE:</b>	Not available	<b>COLOR, (GARDENER):</b>	2
<b>VAPOR DENSITY:</b>	Not established	<b>pH:</b>	4.8 @ 3% in H <sub>2</sub> O
<b>BOILING POINT:</b>	Not available	<b>VISCOSITY:</b>	Not available.

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**INCOMPATIBILITY:** Strong acidic or alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen cyanide may be formed by thermal decomposition or by contact with alkaline substances such as soda ash & lye.

**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 sections 7 and 8 of this MSDS.

**HMIS RATINGS:**

Health	2
Flammability	2
Reactivity	1

*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

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