

MATERIAL SAFETY DATA SHEET

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ETOC® Fogging Concentrate 2764

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ETOC® Fogging Concentrate 2764
PRODUCT DESCRIPTION: Insecticide Fogging Concentrate
PRODUCT CODE: 002764, EPA REG. NO. : 1021-1718

MANUFACTURER

McLaughlin Gormley King Co.®
 8810 10th Ave. N
 Minneapolis, MN 55427
Product Stewardship: (763) 544-0341
Customer Service: (800) 645-6466

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC U.S. and CANADA: (800) 424-9300
CHEMTREC All Other Areas: (703) 527-3887
Emergency Phone: (888) 740-8712

COMMENTS: MGK's Hours of operation are 8:00 am to 4:30 pm CST, 14:30 to 22:30 GMT.

For information regarding MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call the INTERNATIONAL POISON CENTER 24 hours a day at 1-888-740-8712 .

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS #</u>
ETOC (Prallethrin)	2	023031-36-9	245-387-9
Petroleum Distillates	80 - 98	64742-47-8	265-149-8

COMMENTS: Values are not product specifications.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION - OSHA-COMBUSTIBLE LIQUID. Do not use near heat, sparks, open flame, or any other ignition sources. Harmful if absorbed through the skin or inhaled. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors or spray mists of this product.

Wear a NIOSH-approved respirator when applying this product as a space spray. See Section 7 (Handling) for detailed respirator specifications.

POTENTIAL HEALTH EFFECTS

EYES: Can cause moderate temporary irritation, tearing and blurred vision. Overexposure by eye contact may initially include eye irritation with discomfort, tearing or blurring of 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: Can be harmful if absorbed through the skin.

INGESTION: Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

INHALATION: May be irritating to respiratory tract. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

CHRONIC: Not established.

4. FIRST AID MEASURES

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.

INGESTION: If swallowed, 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 a doctor. Never give anything by mouth to an unconscious person.

INHALATION: 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 advice.

NOTES TO PHYSICIAN: Contains Pyrethroids and Petroleum Distillates-vomiting may pose an aspiration pneumonia hazard. For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E).

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 85.0°C (185°F)TAG Closed Cup

FLAMMABLE CLASS: OSHA-COMBUSTIBLE LIQUID

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

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.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

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

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: 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, storage tanks, etc., via drains, pumps, etc. Absorb with appropriate absorbent such as sand or vermiculite. Clean spill area of residues and absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not use near heat, open flame, or any other ignition source.

HANDLING: When applying this product as a space spray, wear a 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) cartridge or canister with any R, P or HE prefilter.

Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, feed or food by storage, handling or disposal. Observe and follow all precautions on the label.

STORAGE: Store in a cool, dry place. Keep container closed. Do not use or store near heat, open flame, ignition sources, or near strong acids, bases, and oxidizers. Emptied containers may retain product residues.

KEEP OUT OF REACH OF CHILDREN.

ELECTROSTATIC ACCUMULATION HAZARD: This product contains petroleum distillates for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
ETOC (Prallethrin)	TWA	None		None		None	
Petroleum Distillates	TWA					300 ^[1]	

OSHA TABLE COMMENTS:

1. Based on total hydrocarbon composition.

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

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Take prudent precautions to avoid contact with eyes.

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

RESPIRATORY: Wear a NIOSH approved full-faced respirator with organic vapor canister for general protection when applying indoors as a space spray or fogger.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR 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, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Odor of Petroleum Distillates.

APPEARANCE: Hazy, golden-yellow.

pH: 5.8@ 5% in water.

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available.

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: Immiscible in water

SPECIFIC GRAVITY: 0.795 (Water = 1) Hydrometer @ 20°C (68°F)

VISCOSITY: 9.17CPS at 23°C (73.4°F) Brookfield

(VOC): <1 %

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: >2.0 gm/kg
Albino rabbit.

ORAL LD₅₀: >5.0 gm/kg
Albino rat.

INHALATION LC₅₀: 3.12 mg / L
Rats exposed for 4 hours to test atmosphere.

EYE EFFECTS: Produced conjunctival irritation in 4/6 albino rabbit eyes at 1 hour only. No corneal opacity or iritis was observed during the study.

SKIN EFFECTS: Produced a primary irritation index of 0.29 in albino rabbits. Slightly irritating to rabbit skin at 4 hours.

SENSITIZATION: Not considered to be a dermal sensitizer to albino guinea pigs.

GENERAL COMMENTS: The above toxicological data derived (bridged) from MGK® ETOC Fogging Concentrate 2651.

COMMENTS: 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.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

EMPTY CONTAINER: Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved State and Local procedures.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

OTHER SHIPPING INFORMATION: This material is not regulated by DOT as a hazardous material when shipped in Non-Bulk quantities (i.e., less than 119 Gallons / 450 Liters).

In Bulk-quantities more than 119 Gallons / 450 Liters, the proper shipping name is:

Combustible Liquid, N.O.S. (Contains Petroleum Distillates) NA1993, III

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: Not Available.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: YES PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES CHRONIC: NO

313 REPORTABLE INGREDIENTS: None present.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

STATE REGULATIONS

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains less than 1% VOC's.

16. OTHER INFORMATION

REVISION SUMMARY Revision #: 2 This MSDS replaces the July 31, 2000 MSDS. Any changes in information are as follows: In Section 1 Prepared By In Section 3 Potential Health Effects - Skin In Section 4 Firstaid - Ingestion In Section 5 Sensitive Static Discharge In Section 7 Handling Storage In Section 8 Skin Protection Eyes-Face Protection Clothing Protection In Section 9 (Group Field) for pH (pH) (From) (pH) (Group Field) for Melting Point (Group Field) for Water Solubility Specific Gravity (From) VOC (Unit) Specific Gravity Method Specific Gravity °C Viscosity Method Viscosity °F (Group Field) for Percent Volatile (VOC) (wt%) (Operator) VOC (From) In Section 12 Environmental Data Ecotoxicological Information Ecological In Section 13 Product Disposal Empty Container Disposal In Section 14 AIR Proper Shipping Name AIR Primary Hazard Class/Division In Section 15 Regulations: State In Section 16 Section 16 Footnotes

HMIS RATING

HEALTH:		1
FLAMMABILITY:		2
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		

HMIS RATINGS NOTES: We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Section's 7 and 8 of this MSDS.

COMMENTS: 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.

MSDS Prepared by T. Azzivitto.