

MATERIAL SAFETY DATA SHEET



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EVERCIDE® Total Release Aerosol 2602

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EVERCIDE® Total Release Aerosol 2602
PRODUCT DESCRIPTION: An Indoor-Use Total Release Aerosol Insecticide
PRODUCT CODE: 002602, EPA REG. NO. : 1021-1635

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>
Pyrethrins	0.05	008003-34-7	232-319-8
Piperonyl Butoxide	0.1	000051-03-6	200-076-7
MGK® 264 (N-Octyl Bicycloheptene Dicarboximide)	0.167	000113-48-4	204-029-1
Esfenvalerate	0.1	066230-04-4	Not Avail.
Deionized Water	45 - 60	007732-18-5	231-791-2
Petroleum Distillates	<10	64742 -47-8	265-149-8
Liquefied Petroleum Gas	35	068476-85-7	270-703-7

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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION - HIGHLY FLAMMABLE AEROSOL. Contents under pressure. DO NOT use or store near heat, sparks, or open flame. Shut off all ignition sources. DO NOT expose to temperatures above 130°F (54.4°C) as bursting may occur. Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapors or spray mists of this product. Avoid contact with skin, eyes, and clothing.

DO NOT puncture or incinerate container. Follow the "Directions For Use" on the label very carefully.

POTENTIAL HEALTH EFFECTS

EYES: Causes moderate eye irritation.

SKIN: May cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth).

SKIN ABSORPTION: Harmful if absorbed through the skin.

INGESTION: May be harmful if swallowed.

INHALATION: Harmful if inhaled.

CHRONIC: None known.

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: For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E). Diazepam has been recommended to reduce the CNS effects of Esfenvalerate.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This aerosol is classified as HIGHLY FLAMMABLE by the Flame-Extension Test method described in 16 CFR 1500.45.

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 Hydrogen Cyanide, carbon monoxide, carbon dioxide and nitrogen oxides.

EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F / 54.4°C may cause bursting.

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.

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.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Contains Pyrethrins and Pyrethroids, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state, and federal

regulations.

7. HANDLING AND STORAGE

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

HANDLING: DO NOT use more than one fogger per room. DO NOT use in small, enclosed spaces such as closets, cabinets or under counters or tables. DO NOT use in a room 5 ft. X 5 ft. or smaller; instead, allow fog to enter from other rooms. **Turn off ALL ignition sources such as pilot lights (shut off gas valves), other open flames or running electrical appliances that cycle off and on (i.e., refrigerators, thermostats, etc.).** Call your gas utility or management company if you need assistance with your pilot lights.

Take prudent precautions to avoid contact with skin, eyes, and clothing. Wearing a respirator is not normally required when handling this product. Do not contaminate water, food, or feedstuffs by storage, handling, or by 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. Exposure to temperatures at or above 130°F / 54.4°C may cause bursting. Keep away from heat, ignition sources, and strong oxidizers. Emptied containers may retain product residues. DO NOT puncture or incinerate container.

KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Pyrethrins	TWA	5		5			
Piperonyl Butoxide	TWA	None		None		None	
MGK® 264 (N-Octyl Bicycloheptene Dicarboximide)	TWA	None		None		None	
Esfenvalerate	TWA					[1]	2
Petroleum Distillates	TWA	None		None	200	100	525
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800		

OSHA TABLE COMMENTS:

1. Skin

ENGINEERING CONTROLS: Ventilate treatment area thoroughly for 30 minutes before re-entry.

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: Avoid inhalation of vapors and mists. Leave treatment area promptly to avoid inhalation exposure.

DO NOT remain in the building during treatment with this product. Ventilate thoroughly for 30 minute's before reoccupying treated area.

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: Liquefied gases and liquid.

ODOR: Odor of Petroleum Distillates.

pH: 6.59pH measurement is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Heavier than air.

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: Miscible in water

SPECIFIC GRAVITY: 0.993 (Water = 1) Hydrometer @ 20°C (68°F)

VISCOSITY: 1722CPS at 23°C (73.4°F) Brookfield on Non-Volatiles

(VOC): <41 %

COMMENTS:

WATER SOLUBILITY: Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

SPECIFIC GRAVITY: Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

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

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen Cyanide Gas may be formed by thermal decomposition at (160°F / 71.1°C, or higher) or by contact with alkaline substances such as soda ash & lye.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: >2.0 gm/kg

Albino rabbit.

ORAL LD₅₀: >5.0 gm/kg

Albino rat.

INHALATION LC₅₀: >3.03 mg / L

Rats exposed for 4 hours to test atmosphere.

EYE EFFECTS: Irritation clearing in 24 hours.

SKIN EFFECTS: Very slight irritation at 72 hours. Produced a primary skin irritation index of 0.84 in albino rabbits.

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

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.

Carcinogenicity/ Oncogenicity-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 significance of these observations is questionable and under review. The doses at which tumors were observed for 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.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

ECOTOXICOLOGICAL INFORMATION: This product is extremely toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters, unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

IF EMPTY:

Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTIALLY FILLED:

Call your local solid waste agency or 1-800-CLEAN-UP for disposal instructions. Never place unused product down any indoor or outdoor drain.

RCRA/EPA WASTE INFORMATION: This product contains the following RCRA/CERCLA Hazardous wastes/substances:

Component, RCRA ID#, Cercla RQ:

Pyrethrins, N/A, 1Lb.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: UN8000

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: UN8000

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:****FIRE: YES PRESSURE GENERATING: YES REACTIVITY: NO ACUTE: YES****313 REPORTABLE INGREDIENTS:** This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.**302/304 EMERGENCY PLANNING****EMERGENCY PLAN:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation. (40 CFR 355).

See Section 13 of this MSDS for the components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4).

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 41% VOC's.

16. OTHER INFORMATION

REVISION SUMMARY Revision #: 1 This MSDS replaces the December 13, 1999 MSDS. Any changes in information are as follows: In Section 1 Prepared By In Section 3 Emergency Overview - Immediate Concerns Potential Health Effects - Eyes Potential Health Effects - Skin Potential Health Effects - Skin Absorption Potential Health Effects - Inhalation Potential Health Effects - Ingestion In Section 4 Firstaid - Skin Firstaid - Ingestion Firstaid - Inhalation Notes to Physician In Section 5 (Group Field) for Flash Point Combustion Products In Section 6 Large Spill In Section 7 Handling In Section 8 Engineering Controls Skin Protection Eyes-Face Protection Respiratory Protection Clothing Protection In Section 9 Physical State Code Odor (Group Field) for pH (pH) (From) (pH) (Group Field) for Water Solubility Water Solubility Specific Gravity (From) VOC (Unit) Specific Gravity Method Specific Gravity °C (Group Field) for Viscosity Viscosity (From) Viscosity (Unit) Viscosity Method Viscosity °F Viscosity °C (Group Field) for Percent Volatile (VOC) (wt%) (Operator) VOC (From) In Section 10 Hazardous Decomposition Products In Section 11 Section 11 Footnotes In Section 12 Environmental Data Ecotoxicological Information In Section 13 Empty Container RCRA/USPA Waste Information Disposal In Section 15 Regulations: State In Section 16 Section 16 Footnotes

HMIS RATING

HEALTH:		1
FLAMMABILITY:		4
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