

MATERIAL SAFETY DATA SHEET



Page: 1 of 8
Date-Issued: 12/18/2001
MSDS Ref. No: 60-6
Date-Revised: 12/18/2001
Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EVERGREEN® Crop Protection EC 60-6
PRODUCT DESCRIPTION: Multi-Purpose Insecticide for use on growing crops.
PRODUCT CODE: EPA REG. NO. : 1021-1770

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>Wt.%</u>	<u>CAS#</u>	<u>EINECS #</u>
Pyrethrins	6	008003-34-7	232-319-8
Piperonyl Butoxide	60	000051-03-6	200-076-7
Petroleum Distillate	5 – 15	064742-47-8	265-149-8

COMMENTS:

Ingredients not identified are proprietary or nonhazardous. Values are not product specifications.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

CAUTION. Harmful if swallowed. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors or spray mists. COMBUSTIBLE Liquid. Do not use near heat, open flame or ignition sources.

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.

MATERIAL SAFETY DATA SHEET

Page: 2 of 8

Date-Issued: 12/18/2001

MSDS Ref. No: 60-6

Date-Revised: 12/18/2001

Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

SKIN:

Can cause a burning or prickling sensation on more sensitive areas(face, eyes, mouth).

SKIN ABSORPTION:

May be harmful if absorbed through 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 lung inflammation and other lung injury.

INHALATION:

Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

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. 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.

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 Pyrethins and Petroleum distillates.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 74.4°C (166°F)TAG CC

MATERIAL SAFETY DATA SHEET

Page: 3 of 8

Date-Issued: 12/18/2001

MSDS Ref. No: 60-6

Date-Revised: 12/18/2001

Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

FLAMMABLE CLASS:

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:

Not applicable

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 pyrethrin which is 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 ignition source.

MATERIAL SAFETY DATA SHEET

Page: 4 of 8
Date-Issued: 12/18/2001
MSDS Ref. No: 60-6
Date-Revised: 12/18/2001
Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

HANDLING:

Avoid contact with skin, eyes and clothing. Avoiding breathing vapors or spray mist. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. 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 acids, bases and oxidizers. Emptied containers may retain product residues. Keep Away from Children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS				Supplier OEL	
		OSHA PEL ppm	mg/m ³	ACGIH TLV ppm	mg/m ³	ppm	mg/m ³
Pyrethrins	TWA		5		5		
Piperonyl Butoxide	TWA	None		None		None	
Petroleum Distillate	TWA					100	525

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:

Wear OSHA-approved safety glasses with side shields, goggles or face shield.

SKIN:

Wear chemically impervious gloves such as Neoprene or Nitrile and protective clothing.

PROTECTIVE CLOTHING:

Wear chemically impervious gloves, such as neoprene or nitrile. Wear leather shoes and long pants and long sleeve shirt and coveralls.

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 and using the toilet.

MATERIAL SAFETY DATA SHEET

Page: 5 of 8

Date-Issued: 12/18/2001

MSDS Ref. No: 60-6

Date-Revised: 12/18/2001

Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

OTHER USE PRECAUTIONS:

AGRICULTURAL USE REQUIREMENTS:

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR, Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and green houses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE), and restricted-entry interval. The requirements listed below only apply to uses of this product that are covered by the Worker Protection Standard.

COMMENTS:

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls;

Chemical-resistant gloves, such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton;

Shoes plus socks.

Protective Eyewhere

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild sweet odor.

APPEARANCE: Clear light yellow liquid.

pH: 5.30@ 5% in water.

VAPOR PRESSURE: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Applicable

MELTING POINT: Not Applicable

SOLUBILITY IN WATER: Partially Miscible in water

SPECIFIC GRAVITY: 1.0149 (water=1) at 20°C

VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID:

Not compatible with strong acids or bases. Not compatible with strong oxidizers.

MATERIAL SAFETY DATA SHEET

Page: 6 of 8

Date-Issued: 12/18/2001

MSDS Ref. No: 60-6

Date-Revised: 12/18/2001

Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: >2000 mg/kg

Albino rabbit.

ORAL LD₅₀: >5000 mg/kg

Albino rat.

INHALATION LC₅₀: >2.71 mg / L

Rats exposed for 4 hours to test atmosphere.

Acute toxicological data not available.

EYE EFFECTS:

Produced conjunctival irritation in albino rabbit eyes. No irritation was noted for 1/6 animals after 3 days. for 4/6 animals for 4 days. For 1/6 animals after 3 days. No corneal opacity or iritis was noted during the study.

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.

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.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This product is extremely toxic to fish and other aquatic invertebrates.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

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 dispose of in a sanitary landfill or by other approved State and Local procedures.

MATERIAL SAFETY DATA SHEET

Page: 7 of 8
Date-Issued: 12/18/2001
MSDS Ref. No: 60-6
Date-Revised: 12/18/2001
Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

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: Environmentally Hazardous Substance, Liquid N.O.S. RQ (Pyrethrins)

PRIMARY HAZARD CLASS/DIVISION: 9

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 1 lbs.

OTHER SHIPPING INFORMATION: This material is not regulated as hazardous by the DOT when Pyrethrin content is less than 1 pound per shipping container.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid N.O.S. RQ (Pyrethrins)

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: UN3082

PACKING GROUP: III

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: 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:

COMPONENT	CAS#	Max %
Piperonyl Butoxide	000051-03-6	60.0
Glycol Ethers	000113-34-5	2.4

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).

MATERIAL SAFETY DATA SHEET

Page: 8 of 8

Date-Issued: 12/18/2001

MSDS Ref. No: 60-6

Date-Revised: 12/18/2001

Revision No: New MSDS

EVERGREEN® Crop Protection EC 60-6

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

HMIS CODES

FIRE: 2 HEALTH: 1 REACTIVITY: 1

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 must ensure that the proper personal protective equipment is provided consistent with the information contained in sections 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.A. Lennan.
