

MATERIAL SAFETY DATA SHEET



McLaughlin Gormley King Company

PRODUCT CODE: 007008

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Revision Date: 2/9/01

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE: 007008, **EPA REG. NO. :** 1021- 1091
PRODUCT NAME: EVERGREEN® Emulsifiable 60-6
PRODUCT DESCRIPTION: Multi-purpose Insecticide. For use on all growing crops, ornamentals, stored products, livestock and fruit fly control on harvested fruits and vegetables. Used alone as a clean-up spray or a pre-harvest spray.
CHEMICAL NAME: Not applicable
SYNONYMS: MGK® 007008, 007008, 60-6
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)		CHEMTREC	
U.S. and CANADA:	(800)-424-9300	(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 #	EINECS	R #	EXPOSURE LIMITS	% BY Wt.
Pyrethrins	008003-34-7	232-319-8	R20	5 mg/m ³ (OSHA, ACGIH)	6.00
Piperonyl Butoxide[Alpha-(2-(2-butoxyethoxy)ethoxy)-4,5-methylenedioxy-2-propyltoluene]	000051-03-6	200-076-7	unknown	Not established	60.00
Paraffinic, Naphthenic solvent	064742-47-8	265-149-8	unknown	100ppm (525 mg/m ³) TWA Supplier recommended	5.0 - 34.0

PEL = Permissible Exposure Limits.
TLV = Threshold Limit Value.

TWA = Time Weighted Average (8 hr).
STEL = Short Term Exposure Limit (15 min.).

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

CAUTION.

EYES: CAUTION. Can cause irritation. Will cause temporary tearing and blurred vision.
SKIN: CAUTION. Harmful if absorbed through the skin. Can cause a burning sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.
INGESTION: CAUTION. Harmful if swallowed. Can cause stomach irritation, resulting in nausea, cramps and vomiting. Excessive ingestion can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Small amounts of this material may get into the lungs during ingestion or vomiting and may cause mild to severe lung injury.
INHALATION: CAUTION. Harmful if inhaled. Excessive inhalation can cause nasal and respiratory irritation.

CHRONIC EFFECTS: None known

SAFETY: ALWAYS Wear safety glasses with side shields and all other appropriate personal protective equipment when handling this material. **COMBUSTIBLE** Liquid do not use near heat or open flame.

See TOXICOLOGICAL INFORMATION (section 11)

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4. FIRST AID MEASURES

FIRST AID PROCEDURES:

- EYES:** Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
- SKIN:** Immediately flush affected area with large amounts of water. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention.
- INHALATION:** Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and get medical attention immediately.
- INGESTION:** Call a physician or poison control center and seek medical attention immediately. Do NOT induce vomiting because of aspiration pneumonia hazard. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIANS: None

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: 164 °F / 73.3 °C **METHOD:** Tag Closed Cup.

This product is classified as a combustible liquid.

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: not established.

UPPER FLAMMABLE LIMIT: not established.

AUTOIGNITION TEMPERATURE: not established.

HAZARDOUS COMBUSTION PRODUCTS:

EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical.

FIRE FIGHTING INSTRUCTIONS: Treat as a 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. 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.

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7. HANDLING AND STORAGE

HANDLING: Wear chemically impervious gloves such as neoprene or nitrile. Wear OSHA-approved safety glasses, goggles or face shield. 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 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 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

EXPOSURE LIMITS: Not established by OSHA or ACGIH(see section 2 for individual components).

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 greenhouses, 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 this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. 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 eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR, Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

ENGINEERING CONTROLS: Keep unprotected persons out of treated areas until sprays have dried.

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

RESPIRATORY PROTECTION: Wear a NIOSH approved organic vapor respirator in absence of proper mechanical ventilation.

SKIN PROTECTION: Wear chemical-resistant gloves, such as, Barrier Laminate, Nitrile, Neoprene and protective clothing such as long-sleeved shirt, long pants and coveralls.

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Golden to amber translucent liquid
ODOR: Botanical pyrethrum odor.
PHYSICAL STATE: Liquid
VAPOR PRESSURE: Not established
VAPOR DENSITY: Not established
BOILING POINT: Not established
MELTING POINT: Not applicable
SOLUBILITY IN WATER: Emulsifiable
SPECIFIC GRAVITY @ 20° C: 0.975
COLOR, (GARDENER): 10.5
pH: 6.2 @ 3.3% in water
VISCOSITY @ 23°C: 26.3
REFRACTIVE INDEX @ 25° C: 1.4834

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
INCOMPATIBILITY: Strong acidic or alkaline materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE STUDIES:

EYE:	Primary eye irritation(rabbit):	Conjunctival irritation observed at 21 days.
SKIN:	Primary skin irritation(rabbit):	Irritation index = 1.25
	Dermal Sensitization(guinea pig):	Not a sensitizer
	Acute Dermal LD ₅₀ (rabbit)	> 2.0 g/kg
INGESTION:	Acute Oral LD ₅₀ (rat)	> 5.0 g/kg
INHALATION:	Acute Inhalation LC ₅₀ (rat)	> 2.71 mg/l

12. ECOLOGICAL INFORMATION

TOXIC EFFECTS ON ORGANISMS:: This pesticide is highly toxic to fish.
FISH: LC₅₀ Not established
BIRD: Acute oral LD₅₀ Not established

TOXICITY TO USEFUL INSECTS:

HONEYBEE: LD₅₀ Not established

ECOLOGICAL: This pesticide is highly toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.
See sections 11 and 15

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13. DISPOSAL CONSIDERATIONS

RCRA / CERCLA HAZARDOUS WASTE:

INGREDIENT

Pyrethrins

RCRA ID#: CERCLA RQ-VALUE

1 lb.

DISPOSAL METHOD: This product should be disposed of according to local, state and federal regulations. When disposing of waste or surplus avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles. Do not wash into drains. Do not mix with other waste materials.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION(DOT) INFORMATION Not considered hazardous when Pyrethrin content is 1 pound or less per shipping container.

PROPER SHIPPING NAME:

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

HAZARD CLASS:

9

IDENTIFICATION NUMBER(UN or NA):

UN 3082

PACKING GROUP:

III

INTERNATIONAL TRANSPORTATION REGULATIONS:

ICAO / IATA DESCRIPTION:

Environmentally Hazardous Substances, Liquid, N.O.S., 9, UN3082,
PG III, RQ (Pyrethrins)

IMO DESCRIPTION (IMDG CODE):

Not considered hazardous by IMO Regulations for transportation via vessel.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SARA TITLE III:

SECTION 302: Not listed

SECTION 313: This product contains the following toxic chemicals of the subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS#:

000113-34-5

000051-03-6

CHEMICAL NAME:

Glycol Ethers

Piperonyl Butoxide

% BY WEIGHT:

does not exceed 2.40

60.00

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC): This Product contains less than 50% VOCs..

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16. 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	1
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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