

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin and eyes. Avoid breathing vapors or spray mist. Wear a pesticide respirator jointly approved by the Mining Enforcement Safety Administration and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Contains petroleum distillate.

FIRST AID

If swallowed: Do not induce vomiting. Get immediate medical attention. Avoid contact with skin and eyes. In case of contact, immediately flush eyes or skin with plenty of water. Obtain medical attention if irritation persists.

Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. After space spraying food processing plants, thoroughly wash all equipment, benches, shelving, etc., where exposed food will be handled, with an effective cleaning compound followed by a potable water rinse.

In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use.

Remove pets, birds, and cover fish aquariums before spraying.

PHYSICAL AND CHEMICAL HAZARDS

Do not store near heat or open flame.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning equipment, or disposal of wastes. Apply this product only as specified on the label.



ENTROL

FOR INDUSTRY

ACTIVE INGREDIENTS:

- Pyrethrins 0.30%
- * Piperonyl butoxide, technical 0.60%
- N-octyl bicycloheptene dicarboximide 1.00%
- INERT INGREDIENTS** 98.10%

* Consists of 0.40% (butylcarbityl) (6-propylpiperonyl) ether and 0.10% related compounds.

** Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel For Additional
Precautionary Statements.

ECOLAB® Pest Elimination Division
Ecolab Center
St. Paul, MN 55102

NET CONTENTS:

EPA Reg. No. 1677-112
EPA Est. 1021-MN-2

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

To kill flies, mosquitoes, Indian Meal Moths, gnats, Angoumois Grain Moths, and Mediterranean Flour Moths: Close room and set equipment to give as fine a mist as possible. Use 7 ounces of Entrol for each 10,000 cubic feet of space. Leave room closed for at least 10 minutes. Repeat as needed. Do not remain in treated areas and ventilate the area after treatment is completed.

Sweep up and destroy fallen insects. Repeat treatment as necessary.

To kill carpet beetles, cockroaches, waterbugs, silverfish: Use a coarse spray. Apply to all sections of plants and warehouses where insects hide; cracks crevices, floors, under platforms, underneath and behind protected places. Contact as many insects as possible. Repeat application as necessary.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in a cool, dry place. Keep container closed.

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

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

MATERIAL SAFETY DATA SHEET

Product Name: Ecolab Entrol
McLaughlin Gormley King Company

Page 1 of 4
Issue Date: 1/7/99

SECTION I - COMPANY AND PRODUCT INFORMATION

MANUFACTURER:

MGK
8810 Tenth Av N
Minneapolis MN 55427

EMERGENCY TELEPHONE:

1-800/328-0026

MANUFACTURED FOR:

Ecolab Pest Elimination Division
Ecolab Center North
St. Paul MN 55102

PRODUCT NAME:

Ecolab Entrol

CHEMICAL NAME AND SYNONYMS:

See Attached Label

CHEMICAL FORMULA:

See Attached Label

PRODUCT DESCRIPTION:

Synergized Pyrethrins

SECTION II - HAZARDOUS INGREDIENTS

CAS	#	HAZARDOUS INGREDIENT	CONC. %	EXPOSURE LIMIT - TWA (SOURCE)	CARCINOGEN
	*	Refined Petroleum Solvent	*	350 mg/cu m (NIOSH)	No
8003-34-7		Pyrethrins	0.30	5 mg/cu m (OSHA, ACGIH)	No
	*	Refined Petroleum Solvent	*	2300 mg/cu m	No

* - Trade Secret

SECTION III - SARA TITLE III/SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals 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	#	CHEMICAL NAME	PERCENT BY WEIGHT
-----	---	---------------	-------------------

This product contains no section 313 chemicals that exceed reporting limits.

This information must be included in all MSDS's that are copied and distributed for this material.

Product Name: Ecolab Entrol

3K

Issue Date: 1/7/99

SECTION IV - HEALTH HAZARD AND FIRST AID INFORMATION

OCCUPATIONAL EXPOSURE LIMIT: Not established.

CARCINOGENICITY: Not established, but none of the ingredients are listed by NTP, IARC or OSHA as being carcinogenic.

PRIMARY ROUTES OF ENTRY: Skin, inhalation.

SYMPTOMS AND EFFECTS OF OF OVEREXPOSURE	ROUTE OF ENTRY	EMERGENCY AND FIRST AID PROCEDURES
Can cause temporary irritation, tearing and blurred vision.	EYES	Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.	SKIN	Immediately flush affected areas with water. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention.
Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.	INHALATION	Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and get medical attention immediately.
Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can also cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.	INGESTION	Do NOT induce vomiting. Keep affected person warm and quiet and get medical attention immediately.

Product Name: Ecolab Entrol
MGK

Issue Date: 1/7/99

SECTION V - PERSONAL PROTECTION INFORMATION

EYE PROTECTION: OSHA-approved safety glasses, goggles or face shield.

PROTECTIVE CLOTHING: Wear nitrile gloves. Avoid exposure to skin and clothing.

VENTILATION: Mechanical ventilation should be used when handling this product in enclosed spaces.

RESPIRATORY PROTECTION: In the absence of proper ventilation, use a respirator approved by NIOSH/MSHA for use with pesticides and organic solvents.

OTHER PROTECTIVE EQUIPMENT: None.

SECTION VI - STORAGE AND SPECIAL HANDLING INFORMATION

Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong oxidizers. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the products label.

SECTION VII - SPILL OR LEAK RESPONSE INFORMATION

PRECAUTIONS IN CASE OF SPILLS OR LEAKS: Eliminate all ignition sources. Contain the spill (prevent this product from reaching surface waters or other water supplies.) Soak up the spill with an appropriate absorbent and transfer into waste containers for disposal. Wash spill area with detergent and water.

WASTE DISPOSAL METHOD: Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

RCRA/CERCLA HAZARDOUS WASTE:	This product contains:	
Ingredient	RCRA No.	CERCLA RO-Value
Pyrethrins	--	1 lb

EMERGENCY TELEPHONE NUMBER: CHEMTREC - 1 (800) 424-9300 (For transportation spills)

Product Name: Ecolab Entrol
1GK

Issue Date: 1/7/99

SECTION VIII - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT: 167° F (estimate-Tag Closed Cup). This product is classified as a combustible liquid.

FLAMMABLE LIMITS: Not established

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Proper grounding procedures should be used when transferring this material from one container to another as static charges can accumulate.

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 spray. Contain the run-off, if possible, for proper disposal.

SECTION IX - REACTIVITY INFORMATION

STABILITY: Stable X Unstable

INCOMPATIBILITY (CONDITIONS TO AVOID): Heat and acidic or alkaline conditions may cause this product to break down. Contact with strong oxidizers may produce an explosive mixture.

HAZARDOUS DECOMPOSITION PRODUCTS: Unknown.

HAZARDOUS POLYMERIZATION: Will Not Occur X May Occur

SECTION X - PHYSICAL DATA

APPEARANCE: Yellow-colored liquid.

ODOR: Odor of petroleum solvent.

SOLUBILITY IN WATER: Insoluble.

SPECIFIC GRAVITY (@ 20° C) : 0.7880

BOILING POINT: Not established.

SECTION XI - ADDITIONAL COMMENTS

None.

Notice: The information herein is given by MGK in good faith, but no warranty, expressed or implied is made.