

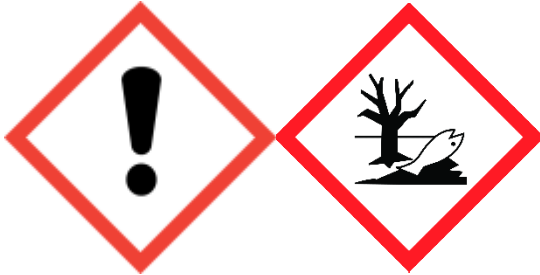


SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AGRILICIDE
Synonym: None
Product Use: Systemic Insecticide and Miticide
EPA Registration No.: 7946-37
Product Type: Liquid
Company Name: J. J. MAUGET COMPANY
Company Address: 129 Growth Center NE #A
Floyd, VA 24091
Tel: 540-551-0403
Emergency Contact: INFOTRAC 1-800-535-5053
911

2. HAZARDS IDENTIFICATION



Classification:

Acute Toxicity (Oral): GHS Category 4
Eye Irritation: GHS Category 2A
Aquatic Toxicity (Chronic): GHS Category 2

LABEL ELEMENTS

Signal Word

WARNING

Hazard Statements:

H302 – Harmful if swallowed
H319 – Causes serious eye irritation
H411 – Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention:

P264 – Wash thoroughly after handling
P270 – Do not eat, drink or smoke when using this product
P280 – Wear eye protection/face protection
P273 – Avoid release to the environment

Precautionary Statements - Response:

P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 – Rinse mouth
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 – If eye irritation persists: Get medical advice or attention
P391 – Collect Spillage

Precautionary Statements - Disposal:

P501 - Dispose of contents/container in accordance with local, state, and federal regulations.

Hazard(s) not otherwise classified (HNO):

None

Unknown Acute Toxicity: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

<u>Component</u>	<u>CAS#</u>	<u>% by Weight</u>
Emamectin Benzoate	155569-91-8	4.00
Other Ingredients	Trade Secret	96.00

Contains 0.36 lb. Emamectin per gallon (43 g/L)

4. FIRST AID MEASURES

FIRST AID MEASURES

INGESTION: IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SKIN CONTACT: IF ON SKIN OR CLOTHING: 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.

EYE CONTACT: IF IN 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 if irritation develops or persists.

INHALATION: IF INHALED: Move 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 treatment advice.

MOST IMPORTANT SYMPTOMS AND EFFECTS: May cause serious eye irritation. Symptoms may include stinging, redness, tearing, and blurred vision of the eyes. Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Vomiting within one-half hour of exposure can minimize toxicity following accidental ingestion of the product; rapidly after exposure (<15 minutes) administer repeatedly medical charcoal in a large quantity of water or ipecac. If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements. In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since emamectin benzoate is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry chemical, foam, or CO2 extinguishing media.

UNSUITABLE EXTINGUISHING MEDIA: High volume water jet. (Water contamination risk from runoff.)

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Hazardous Combustion Products: Toxic and irritating compounds may be released upon exposure to fire or intense heat.

Fire and Explosion Hazards: Product is not explosive.

Reactivity: The product is stable at normal handling and storage conditions.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent runoff from entering drains, sewers or waterways. To fight large fires, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full-face piece operated in

the positive pressure/demand mode. Full firefighting turnout gear (bunker gear): Any air respirator supplied with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Non-emergency personnel and emergency responders: Wear appropriate personal protective equipment (PPE): Eye and face protection, coveralls, gloves, boots. Avoid contact with spilled material.

METHODS FOR CONTAINMENT AND CLEAN UP:

General measures: Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, etc.) Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

Methods for cleaning up: Ventilate air. Cleanup personnel require protective clothing and respiratory protection.

Environmental Precautions: Prevent material from entering sewers, waterways, or low areas. Do not allow material to contaminate water systems.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBLES: Storage conditions: Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Keep from freezing. Do not store food, beverages or tobacco products in the storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

Exposure limits have not been established for the active ingredients in this product. Other ingredient exposure limits are listed below, where applicable:

Tetrahydrofurfuryl alcohol (CAS No. 97-99-4)

AIHA – Workplace Environmental Exposure Levels (WEELs – TWA) – 0.5 ppm

APPROPRIATE ENGINEERING CONTROLS: Use where adequate ventilation is available.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: Inhalation potential is low due to the method of application. If vapors or mists are present, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

EYE PROTECTION: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

SKIN PROTECTION: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical resistant gloves (Category C such as barrier laminate; butyl rubber ≥ 14 mils; nitrile rubber ≥ 14 mils; or neoprene rubber ≥ 14 mils). An emergency shower or water supply should be readily accessible to the work area.

WORK/HYGIENE PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Hazy Liquid
Color:	Amber
Odor/odor threshold:	Mild characteristic
Melting point/freezing point:	No data available
Boiling point (or initial boiling point or boiling range):	No data available
Flammability:	Not applicable
Lower and upper explosion limit/flammability limit:	Not flammable
Flash point:	200.66°F
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
pH:	Not applicable
Kinematic viscosity:	37.3 mPa.s at 20 °C
Solubility:	Miscible with water
Partition coefficient n-octanol/water:	Mild characteristic
Vapor pressure:	N.D.
Evaporation rate (butyl acetate=1)	No data available
Density and/or relative density:	No data available
Relative vapor density:	8.83 lbs/gal (1.06 g/mL)
Particle characteristics:	No data available
	Not applicable

10. STABILITY AND REACTIVITY

REACTIVITY: The product is stable at normal handling and storage conditions.

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Protect from heat.

INCOMPATIBLE MATERIALS: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce toxic or irritating gases under extreme heat or fire conditions.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Eyes, Skin, Inhalation, Ingestion.

Symptoms: May cause redness and tear of the eyes.

Information on Toxicological Effects:

Numerical Measures of Toxicity:

Oral LD50	Dermal LD50	Inhalation LC50
1,030 mg/kg	5,050 mg/kg	5.04 mg/L (4h)

Delayed and Immediate Effects and Chronic Effects from Short- and Long-Term Exposure:

Eye Irritation: Maximum average score = 28; opacity clearing by day 14 and irritation clearing by day 7.

Skin Irritation: Irritation score = 0.3 (out of a possible 8.0); not a skin irritant.

Skin Sensitization: Not a dermal sensitizer.

Respiratory Sensitization: Not a respiratory sensitizer.

Carcinogenicity: Emamectin Benzoate is not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Mutagenicity: Emamectin Benzoate is not genotoxic or mutagenic.

Reproductive Toxicity: Emamectin Benzoate is a reproductive toxin in animal studies only at doses acutely toxic to the maternal animal.

Neurotoxicity: Emamectin Benzoate affects the central nervous system in animals. Tremors and nerve lesions observed at lowest dose tested in rabbits.

Specific Target Organ Toxicity – Single Exposure: No data

Specific Target Organ Toxicity – Repeated Exposure: Emamectin Benzoate: Bladder changes reported in rats. Ingestion results in central nervous system effects such as muscle tremors, decreased activity, ataxia, and dilated pupils.

Aspiration Hazard: The product is not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity data are not available for this product. Active ingredient data are given below. The product is highly toxic to aquatic organisms and bees. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

Constituent	Organism and Species	Results
Emamectin Benzoate	Freshwater fish (Rainbow Trout)	96h LC50: 0.174 mg/L
	Crustacea (<i>Daphnia sp.</i>)	48h EC50: 0.001 mg/L
	Freshwater algae (Green algae)	5d EC50 >0.0039 mg/L
	Honey bees	LD50: 0.036 ug/bee (Highly toxic to bees)
	Mallard Ducks	14d: 46 mg/kg

Persistence / Degradability: This product is not readily biodegradable.

Bioaccumulative Potential: Aquatic hydrolysis, volatilization, adsorption to sediments, and bioconcentration are not expected to be significant.

Mobility in soil: No additional information available.

PBT AND vPvB assessment: No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, if allowed by state and local authorities Stay out of smoke from burning container.

14. TRANSPORT INFORMATION

DOT (Department of Transportation) (Land Transport): Not regulated.

Hazard Class/Label: N.A.

Packaging Group: N.A.

UN Number: N.A.

Proper Shipping Name: N.A.

IMDG (Marine Transport): Regulated.

Hazard Class/Label: 9

Packaging Group: III

UN Number: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Emamectin Benzoate)

Marine Pollutant: Yes

IATA (Air Transport): Regulated.

Hazard Class/Label: 9

Packaging Group: III

UN Number: 3082

Proper Shipping Name: N.A.

15. REGULATORY INFORMATION

FEDERAL REGULATIONS:

FIFRA Information: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear protective eyewear such as goggles or safety glasses. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in 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.

If on Skin or Clothing: 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.

If Inhaled: Move 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact **INFOTRAC 1-800-535-5053** for emergency treatment information.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish, mammals and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. This product is highly toxic to bees exposed to direct treatment or residues on blooming trees.

SARA 313 Regulated Chemical(s): Not applicable

SARA Title III Hazard Classification:

IMMEDIATE (ACUTE) HEALTH HAZARD:	YES
DELAYED (CHRONIC) HEALTH HAZARD:	NO
FIRE HAZARD:	NO
SUDDEN RELEASE OF PRESSURE:	NO
REACTIVE HAZARD:	NO

CERCLA/DOT Reportable Quantities (RQ): Not applicable.

Canadian Regulatory Information: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2B – Toxic

16. OTHER INFORMATION

SDS Issue Date: January 21, 2026

The information given here is not necessarily exhaustive but is representative of relevant, reliable data. Follow all local/regional/national/international regulations.

Please consult supplier if further information is needed.

All tests were conducted following OECD guidelines for Good Laboratory Practices (GLP).

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.