

Safety Data Sheet

Abathor Cockroach Gel Bait

Emergency Phone 1-800-424-9300 (Chemtrec)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Abathor Cockroach Gel Bait
Chemical Name: Abamectin
Recommended use of the chemical and restrictions on use: Insecticide

Company: Ensystem II, Inc.
Address: 2175 Village Dr., Fayetteville, NC 28304
Daytime Phone: 1-800-398-3772

2. HAZARDS IDENTIFICATION

Hazard classification
According to Regulation 2012 OSHA Hazard Communication Standard 29CFR 1910.1200
Aquatic Acute toxicity - Category 1 **Hazardous to aquatic environment - acute**
Aquatic Chronic toxicity - Category 1 **Hazardous to the aquatic environment - chronic**

Label Elements
Hazard pictograms

This product does not require a hazard warning label in accordance with GHS criteria.

Emergency overview

Signal Word: Caution

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

HARMFUL IF SWALLOWED.

HARMFUL IF ABSORBED THROUGH SKIN..

Wash thoroughly after handling.

Potential Health Effects

Primary routes of exposure.

Routes of entry for liquids include eye and skin contact.

Acute Toxicity:

Relatively nontoxic after single ingestion. Slightly toxic after short-term skin contact.

Irritation/ corrosion:

May cause slight but temporary irritation to the eyes. May cause slight irritation to the skin.

Sensitization:

Skin sensitizing effects were not observed in animal studies.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Abamectin	CAS # 65195-55-3	Weight % - 0.05
	Proprietary ingredients	Weight % >=99.95

4. FIRST-AID

Description of first-aid measures

General advice: Remove contaminated clothing. If person is not breathing, call 911 or ambulance. If the person is not breathing and has no pulse, consider cardiopulmonary resuscitation (CPR); use pocket resuscitation mask, bag valve mask etc., to avoid risk of poisoning rescuer. Consult a physician in all cases.

Inhalation: Move person to fresh air. Keep patient calm.

Eye Contact: Hold eye open and rinse slowly and gently with water for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Skin Contact: Rinse skin immediately with plenty of water for 15-20 minutes.

Ingestion: 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. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: No significant reaction of human body to product is known.

Indication of any immediate medical attention and special treatment needed.

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Foam. Carbon dioxide (CO²). Dry chemical. Soft stream or water fog only if necessary.

Advice for firefighters

Explosion Data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive

Special hazards arising from the substance or mixture:

If product is heated above decomposition temperature, toxic vapors such as carbon monoxide, nitrogen dioxide, hydrogen chloride, hydrogen fluoride, halogenated hydrocarbons and hydrocarbons will be released.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Further information:

Evacuate are of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways. Dusty conditions may ignite explosive

6. ACCIDENTAL RELEASE MEASURES

Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in a explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition

Personal Precautions: Isolate and post spill area. Wear appropriate safety clothing, respiratory protection devices and eye/face protection (see Section 8). Evacuate unprotected personnel that are nearby.

Environmental precautions: Keep people and animals away from and upwind of spill or leak. Prevent from entering into soil, ditches, sewers, waterways and /or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleanup:

Small spills: Avoid raising dust. Use wet cleaning methods when applicable. Place pillage into suitable containers for reuse or disposal at licensed facility. Large spills: Contact Ensystem Inc. for cleanup assistance. See Section 13, Disposal considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling:

Recommendations are for manufacturing, commercial blending and packaging workers. Pesticide applicators & workers must refer to the Product Label and Directions for use attached to the product. Provide good ventilation of working areas. Keep away from sources of ignition. NO SMOKING. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the dusts/mists/vapors. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition; heat, sparks, open flame. Avoid extreme heat. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition. Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Handling: Use good personal hygiene. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

Storage: Keep out of reach of children. Product should be stored in compliance with local regulations. Store in a well ventilated, cool, dry area. Keep away from heat sources. Store in original container.

Incompatible products: None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Applicators should refer to the product label for personal protection equipment requirements during application.

Components with occupational exposure limits

These recommendations are for Manufacturing. Applicators should see the product label for proper personal protective equipment.

Engineering measures: Apply technical measures to comply with the occupational exposure limits.

Exposure controls

Provide general and/or local exhaust ventilation to control airborne levels below the exposure limits.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required or during emergency conditions, use a NIOSH/MSHA approved respiratory protection.

Hand/Skin Protection: Wear long-sleeved shirt, long pants, socks, protective gloves and shoes

Eye/Face Protection: Chemical proof goggles / face shield

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Clear to white viscous liquid with slight odor

pH: 6.8

Flash Point/Range: NA

Water solubility: Low water solubility

Vapor pressure: NA

Specific Gravity: 1.17g/m³ (20°C)

Bulk Density: 288 - 352 kg/m³

Flammability (solid, gas): NA

Flammability limit in Air

Upper flammability limit: NA

Lower flammability limit: NA

Vapor pressure: NA

Vapor density: NA

Density: NA

Solubility in other solvents: NA

Partition coefficient: NA

Autoignition temperature: NA

Decomposition temperature: NA

10. STABILITY AND REACTIVITY

Reactivity: None under normal use conditions

Chemical Stability: Stable under normal storage conditions.

Conditions to Avoid: Heat, flames and sparks.

Materials to Avoid: Caustics.

Hazardous Decomposition Products: carbon oxides (CO_x)

Additional Information: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity(Abamectin): Inhalation LC50/Rat/ >0.034 mg/L 4 hr (rat); Oral LD50/Rat/> 5,000 mg/kg; Dermal LD50/Rabbit/2,000mg/kg

Irritation: Not likely due to nature of major constituent

Chronic Toxicity: Inhalation, after repeated exposure, various species,

Skin corrosion/irritation

non-irritating to skin

Serious eye damage/eye irritation

nonirritating to eye

Sensitization

Non-sensitizing

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. Repeated inhalation exposure to small quantities may affect certain organs.

Repeated oral exposure to small quantities may affect certain organs.

Carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies indicate no potential carcinogenic effect.

Teratogenic and mutagenic effect: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies indicate the possibility of developmental toxicity/teratogenicity..

Reproductive toxicity effects: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies indicate no potential indication of a fertility impairing effect.

Symptoms of Exposure: No significant reaction of the human body to the product are known.

12. ECOTOXICOLOGICAL INFORMATION

The product has not been tested. The statement has been derived from the properties of the individual components.

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity

Acute toxicity of Abamectin to fish (Sheepshead minnow)

LC₅₀, 96 Hour, 0.0087 mg/l

Acute toxicity of Abamectin to aquatic crustacea (water flea)

EC₅₀, 96 Hour, 0.00034 mg/l

Acute toxicity of Abamectin to algae/aquatic plants (*Pseudokirchneriella subcapitata*)

EC₅₀ 72 Hour 100 mg/L

Mobility in soil

Abamectin: Low mobility in soil.

Additional information

Do not discharge product into the environment without control

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: Improper disposal of excess pesticide is prohibited. If these wastes cannot be disposed of by use according to the label instructions, contact appropriate authorities for guidance.

Contaminated Packaging: Containers must be disposed of in accordance with local, state and federal regulations. Refer to product label for container disposal instructions.

14. TRANSPORT INFORMATION

DOT This material is not a hazardous material as defined by U.S. Department of Transportation 49 CFR Parts 100 - 185.

Classification for SEA transport (IMO-IMDG):

Hazard class: 9
Package group: III
ID number: UN 3077
Hazard label: 9, EHS
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S.
(contains ABAMECTIN)

Classification for AIR transport (IATA/ICAO):

Hazard class: 9
Packing group: III
ID number: UN 3077
Hazard label: 9, EHS
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S.
(contains ABAMECTIN)

15. REGULATORY INFORMATION

The information herein is given in good faith, but no warranty, expressed or implied, is made. Consult Ensystex II for further information.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements of the local, regional, or state level pertaining to releases of this material.

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:

CAUTION

KEEP OUT OF REACH OF CHILDREN

KEEP OUT OF REACH OF DOMESTIC ANIMALS

HARMFUL IF SWALLOWED

HARMFUL IF ABSORBED THROUGH SKIN

Avoid inhalation of dusts

Avoid contact with the skin, eyes and clothing

Wash thoroughly after handling

US State Regulations

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause birth defects or other reproductive harm, at levels which would require a warning under the statute.

State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Avermectin B1 71751-41-2	X		

16. Other Information

Hazard rating System

NFPA

Health	Fire	Reactivity
1	1	0