Starbar Alluvium Cockroach Gel Bait

Safety Data Sheet

Issue date: 04/19/2019 Revision date: 05/28/2026 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Name : Starbar Alluvium Cockroach Gel Bait

Synonyms : 100554062, EPA Reg. No.: 100-1290-89459

1.2. Recommended use and restrictions on use

Recommended use : Insecticide.

Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin or clothing.

1.3. Supplier

Central Garden & Pet
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173 - United States

www.starbarproducts.com

1.4. Emergency telephone number

Emergency number : 1-800-347-8272
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Under United States Regulations (29 CFR 1910.1200 - HCS 2024), this product is not considered hazardous.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Emamectin Benzoate	(CAS-No.) 155569-91-8	0.1
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.

First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

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. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media	:	Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes. Wear appropriate personal protective equipment, avoid direct contact.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment.
Emergency procedures	:	Stop leak if safe to do so. Stay upwind. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Sweep or scoop spills, dispose of any unusable material in approved landfill. Use appropriate PPE.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid electrical portions of equipment due to the possibility of shock hazard.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limits (OSHA PELs, ACGIH TLVs, or other recommended limits) have been established for the components of this product.

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear chemical resistant gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Light brown to dark brown solid
Color	:	Light brown to dark brown
Odor	:	Peanut
Odor threshold	:	No data available
pH	:	3 - 7 (1% in deionized water)
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability	:	Non-flammable
Vapor pressure	:	Emamectin Benzoate: 3 x 10(-8) mmHg @ 70°F (21°C)
Relative vapor density at 20°C	:	No data available
Relative density	:	1.097 g/cm³ @ 77°F (25°C)
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	No data available
Explosion limits	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	Not applicable
Particle characteristics	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid electrical portions of equipment due to the possibility of shock hazard.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Starbar Alluvium Cockroach Gel Bait	
LD50 oral rat	> 5000 mg/kg (based on a substantially similar formulation)
LD50 dermal rat	> 5050 mg/kg (based on a substantially similar formulation)
LC50 Inhalation - Rat	> 5 mg/l/4h (based on a substantially similar formulation)

GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

Potential health effects

Inhalation

Acute : Under normal conditions of use, no health effects are expected.

Skin

Acute : Under normal conditions of use, no health effects are expected.

Eye

Acute : May cause moderate irritation.

Ingestion

Acute : Under normal conditions of use, no health effects are expected.

Mutagenicity : Not classified.

Carcinogenicity : Emamectin Benzoate is not classified as a carcinogen.

Reproductive Effects : Emamectin Benzoate: Developmental and reproductive toxicity observed in dosages that are toxic to mature animals.

SECTION 12: Ecological information

12.1. Toxicity

Emamectin Benzoate (155569-91-8)	
LC50 Acute fish 1	0.174 mg/kg (Exposure time: 96h - Rainbow trout)
EC50 Acute crustacea 1	0.001 mg/l (Exposure time: 48h - Daphnia magna)

12.2. Persistence and degradability

Emamectin Benzoate (155569-91-8)	
Persistence and degradability	Persistent in soil. Stable in water. Immobile in soil. Sinks in water (after 24 h).

12.3. Bioaccumulative potential

Emamectin Benzoate (155569-91-8)	
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

No data available

12.5. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
IMDG	UN3077	Packaging greater than 5 kg: Environmentally Hazardous Substance, Solid, N.O.S. (Emamectin Benzoate)	9	III	Marine pollutant
IATA	UN3077	Packaging greater than 5 kg: Environmentally Hazardous Substance, Solid, N.O.S. (Emamectin Benzoate)	9	III	Acute aquatic toxicity

SECTION 15: Regulatory information

15.1. US Federal regulations

EPA Labelling	
EPA Registration Number	100-1290-89459
This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.	
FIFRA Hazard statements	**Caution**
FIFRA Precautionary statements	KEEP OUT OF REACH OF CHILDREN.
FIFRA Hazards to Humans and Domestic Animals	Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
FIFRA First aid	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.
FIFRA Environmental hazards	Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.
FIFRA Physical hazards	Avoid electrical portions of equipment due to the possibility of shock hazard.

15.2. US State regulations

No additional information available

SECTION 16: Other information

Issue date : 19 April 2019

Revision date : 28 May 2026

Indication of changes:
Revised Sec. 1: Revised material number(s). SDS aligned with HCS 2024.

SDS US (GHS HazCom 2024) - CGP

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