

Safety Data Sheet AzaGuard

SECTION 1: Identification

1.1 GHS Product identifier

Product name AzaGuard

1.2 Recommended Use

Botanical Based Insecticide / Nematicide

1.3 Supplier's details

Name BioSafe Systems
Address 22 Meadow Street
East Hartford CT 06108 USA
Telephone 1.888.273.3088

1.4 Emergency phone number

CHEMTREC: 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Sensitization - skin, Cat. 1A

2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction

Precautionary statement(s)

P101 If medical advice is needed, have label at hand.
P102 Keep out of reach of children
P103 Read label before use.
P302+P352 If on skin: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment see first aid section on this label.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents according to local, state and/or federal regulations.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

SECTION 3: Composition/information on ingredients

3.1 Mixtures Components

Component	Concentration
Azadirachtin (CAS no.: 11141-17-6)	1 - 5 % (weight)
Polysorbate 80 (CAS no.: 9005-65-6)	35 - 45 % (weight)
Propylene glycol (CAS no.: 57-55-6)	30 - 40 % (weight)
Oil, Sesame (CAS no.: 8008-74-0)	1 - 10 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician if you feel unwell. Show this safety data sheet to the doctor in attendance.
If inhaled	Move person to fresh air. Call a poison center or doctor if you feel unwell.
In case of skin contact	Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation: None known.
Symptoms/effects after skin contact: Itchiness, redness.
Symptoms/effects after eye contact: None known.
Symptoms/effects after ingestion: None known.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water or water spray.

5.2 Specific hazards arising from the chemical

None known.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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Wear respiratory protection if necessary. Avoid breathing mist or spray. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains and avoid releases to the environment.

6.3 Methods and materials for containment and cleaning up

Cover with absorbent (clay, sawdust, straw, sand, etc.) to absorb the liquid. Sweep into an open container and dispose according to local, state and/or federal regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of spray or mist. Do not drink, eat or smoke while using this product. Wash hands with soap and water after handling. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in ambient conditions and avoid high heat. Keep out of the reach of children. This product should be used within 12 months of the date of manufacture.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Safety glasses / goggles.

Skin protection

Wear protective gloves.

Body protection

Wear protective clothing.

Respiratory protection

Not required under normal use conditions.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Appearance	Clear, brown liquid.
Color	Brownish
Odor	Slightly garlic
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	334°F (178°C)
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	>200°F (100°C)
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.

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pH	5.3
Kinematic viscosity	No data available.
Solubility	Complete.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	0.20 mm Hg.
Evaporation rate	No data available.
Density and/or relative density	8.60 lbs/gal
Relative vapor density	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

High temperatures, UV light and humidity.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact.

Skin corrosion/irritation

Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

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Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

Not expected to cause ecological issues. Uncontrolled releases should be avoided.

Persistence and degradability

Exhibits rapid degradation and low persistence in soil.

Bioaccumulative potential

Does not bioaccumulate.

Mobility in soil

No data available.

SECTION 13: Disposal considerations

Product disposal

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal

Dispose of as unused product. Do not reuse containers.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

16.1 Further information/disclaimer

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