Safety Data Sheet
BioPhyter

SECTION 1: Identification

1.1 GHS Product identifier

Product name	BioPhyter

1.2 Recommended use Seed/Foliar Treatment

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 product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing mist/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	If on skin: Wash with plenty of water.
P321	Specific treatment see first aid section on this label.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P410	Protect from sunlight
P411	Store at temperatures not exceeding 25°C (77°F).
P501	Dispose of contents according to local, state, and federal regulations.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Component	Concentration
Carrier & Emulsifier	**99% (weight)**
Beauveria bassiana (CAS no.: 63428-82-0)	**1 % (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. Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
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
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, protect from sunlight. Keep out of the reach of children. This product should be used within 24 months of the date of manufacture.

SECTION 8: Exposure controls/personal protection

8.1 Appropriate engineering controls
Use ventilation adequate to keep exposures below recommended exposure limits.

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

Pictograms



Eye/face protection
Safety glasses / googles.

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	Golden, amber liquid
Color	Light yellow to golden amber
Odor	Slightly nutty
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	6.7
Kinematic viscosity	84 cSt
Solubility	Soluble with agitation.
Partition coefficient n-octanol/water (log value)	No data available.

Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	7.76 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.

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.

Aspiration hazard
No data available.

SECTION 12: Ecological information

Toxicity
No data available.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

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

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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.

US EPA TSCA public inventory
Chemical name: Beauveria bassiana
CAS number: 63428-82-0

SECTION 16: Other information

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own

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