

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS: ALBAUGH, LLC
Ankeny, IA 50021

EMERGENCY TELEPHONE NUMBERS:
(800) 424-9300 (CHEMTREC, transportation and spills)

PRODUCT NAME : **BioST Nematicide**
CHEMICAL NAME : Proprietary
PRODUCT USE : Bio-based nematicide

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

PHYSICAL HAZARDS

None

HEALTH HAZARDS

None

ENVIRONMENTAL HAZARDS

None.

SIGNAL WORD

None.

HAZARD STATEMENTS

None.

PRECAUTIONARY STATEMENTS

None.

SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

Contents of chemical name and hazardous components are a trade secret as allowed by 29 CFR 1910.1200 (i) 1.

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

Routes of Exposure and Symptoms:

Ingestion: Overexposure may cause gastrointestinal irritation, diarrhea, nausea and vomiting.
Eyes: Overexposure causes excessive watering, redness and stinging.
Skin: Overexposure may cause itching and redness similar to a rash.

Ingestion: Contact physician or poison control center. if victim is conscious and able to swallow, quickly give milk or water to dilute. Do not give sodium bicarbonate, vinegar, or fruit Juices. Never give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only upon advice of a physician.

Eyes: Flush immediately with copious amounts of water. Continue flushing for at least 15 minutes. Seek medical attention.

Skin: Wash exposed areas with soap and water. If itching and redness persist, seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point: > 200 F,

Auto ignition temperature: Not Established

Extinguishing media: Use water spray, dry chemical, foam or carbon dioxide.

Special Procedures: Wear self-contained breathing apparatus when fighting a fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Contain material by diking the area around the spill. If the product is in a solid form, shovel directly into recovery drums. If the product is a liquid, it should be picked up using a suitable absorbent material, then shoveled into recovery drums.

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: The use of a NIOSH approved respiratory protection may be needed if working in a poor ventilated area.

Ventilation: Ensure adequate ventilation, especially in confined areas.

Protective Gloves: Chemical resistant glove that meet ANSI/ISEA Standard is and necessary when handling this chemical.

Eye Protection: This chemical requires the use of a chemical protective goggles that meet ANSI/ISEA Standard when handling this chemical.

Work / Hygienic Practices: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Other Equipment: Eye wash and safety shower in work area.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Brown liquid
Odor:	Straw-like
pH:	6-8
Melting Point:	Not applicable
Flash Point:	> 200 F
Boiling Point:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Density:	1 g/ml
Solubility:	Soluble

SECTION 10 - STABILITY AND REACTIVITY

Stability: Product is stable

Incompatibility: Avoid contact with strong oxidizing agents

Hazardous polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:**

Oral LD ₅₀ (rat)	- >5000 mg/kg. Not classified.
Dermal LD ₅₀ (rat)	- >5050 mg/kg. Not classified.
Inhalation LC ₅₀ (rat)	- >5.22 mg/L. Not classified.
Eye Irritation (rabbit)	- Non-irritating (rabbit). Not classified.
Skin Irritation (rabbit)	- Minimally irritating (rabbit). Not classified.
Sensitization (guinea pig)	- Non-sensitizing (guinea pigs). Not classified.

CARCINOGEN STATUS:

OSHA	- Not listed
NTP	- Not listed
IARC	- Not listed

TERATOGENICITY: No data

MUTAGENICITY: No data

SECTION 12 - ECOLOGICAL INFORMATION

This product is non-toxic or practically nontoxic (Category 4) to mammalian wildlife, beneficial insects and mites,.

Avian Acute Oral Toxicity:

Bobwhite quail. LD50 >2000 mg/kg-bw. Non-toxic.

Toxicity to freshwater aquatic life:

Rainbow trout (96-hour acute toxicity)	EC50 > 1000 mg/L AI. Minimally toxic
Daphnia magna (48-hour acute toxicity)	EC50 = 28.8 mg/L.
Unicellular green algae (72-hour growth inhibition)	NOEC 1000 mg/L Category Acute 3

Bees and beneficial insects:

Honey bee (48-hour contact and oral acute toxicity) LD50 > 100 µg a.s./ bee. Non-toxic.

To minimize potential exposure to bees and other pollinating insects, do not apply while bees are foraging. Do not allow product to drift to blooming crops or weeds if bees are foraging. Minimize spray drift away from the target area to reduce effects to other non-target insects.

BioST Nematicide has been evaluated for toxicity to non-target insects in a variety of bioassays and on a variety of crops under various normal growing conditions. However, testing all beneficial insects, in all situations, mixtures and combinations, is not feasible. Prior to treating entire crop where the release of beneficial insects serve as part of an Integrated Pest Management (IPM) program, consult with an extension specialist, a pest control advisor (PCA) or with the product manufacturer.

For terrestrial uses only: Do not apply directly to water, or 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 wash water or rinsate.

Sensitive areas: The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas). Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals. Do not allow product to drift to blooming crops or weeds if bees are foraging. Minimize spray drift away from the target area to reduce effects to other non-target insects

Bioconcentration potential: This material is not expected to bioconcentrate in organisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult local, state and federal regulations before disposing of this material.

Spill: If material is released into the environment, the user should determine whether the spill should be reported to the appropriate state and federal authorities.

SECTION 14 - TRANSPORT INFORMATION

Shipping Description: NON-DOT REGULATED MATERIAL

SECTION 15 - REGULATORY INFORMATION

TSCA Registered: Yes

TSCA 5(a) SNUR: No

SARA Title III Section 313: This product does not contain material regulated under SARA Title III Section 313

SECTION 16 - OTHER INFORMATION

HMIS HAZARD RATINGS	HEALTH	0
	FLAMMABILITY	0
	REACTIVITY	0
	PERSONAL PROTECTION	B
4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal		

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate.

REVISED DATE: March 13, 2020

REFERENCE: Updated to GHS.