

SAFETY DATA SHEET: BioNex Insecticide and Miticide

1. IDENTIFICATION

GENERAL USE:	Insecticide and Miticide
COMMON NAME:	BioNex
MANUFACTURED BY:	BioWorks 100 Rawson Rd, Suite 205 Victor, NY 14564
EMERGENCY TELEPHONE NUMBERS:	BioWorks: 800-877-9443 CHEMTREC: 800-424-9300 (for USA and Canada)

2. HAZARDS IDENTIFICATION

Signal Word: WARNING

Pictogram:



GHS Classification:

Signal Word: Caution

Hazard Statement:

Causes mild skin irritation. May cause an allergic skin reaction. Causes eye irritation. May be harmful if inhaled.

Precautionary Statements:

Avoid breathing spray. Wash hands thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.

Unclassified Hazards:

Ingredients with Unknown

Toxicity: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product contains the following ingredients:

COMPONENT	CAS No.	%	OSHA PEL	ACGIH
Pyrethrins	8003-34-7	.5		

The specific chemical identities and percentages of composition have been withheld as trade secrets.

4. FIRST-AID MEASURES

INGESTION: Do not induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

INHALATION: Move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

SKIN CONTACT: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

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/attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable.

AUTO-IGNITION TEMPERATURE: Not determined

EXTINGUISHING MEDIA: Regular foam, carbon dioxide, dry chemical, water.

SPECIAL FIRE-FIGHTING PROCEDURES: No further relevant information available.

UNUSUAL FIRE and EXPLOSION HAZARDS:

HAZARDOUS DECOMPOSITION PRODUCTS:

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Wear appropriate protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

FOR PERSONNEL WHO ARE NOT PART OF THE EMERGENCY SERVICES:

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Stop leak if can do it without risk. Absorb or cover with dry earth, sand or other absorbent materials and transfer to containers.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: No special precautions are necessary if used correctly.

PESTICIDE STORAGE: Store in ambient temperature, well-ventilated place away from excessive heat. Keep container closed when not in use. Keep away from incompatible materials.

Incompatible Materials: Caustic agents

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: Not available

PERSONAL PROTECTION:

Eye/face protection:	Wear safety goggles
Skin and body protection:	Apron, safety shoes, gloves
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 26 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
Thermal hazards:	There are no thermal hazards related to this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid, clear yellow
ODOR:	Oil odor
ODOR THRESHOLD:	Not available
pH:	Not applicable
MELTING POINT:	Not available
BOILING POINT:	Not available
FLASH POINT:	Not available
EVAPORATION RATE:	Not available
FLAMMABILITY/EXPLOSIVE LIMITS:	Not flammable
VAPOR PRESSURE at 50°C:	Not available
VAPOR DENSITY:	Not available
BULK DENSITY at 20°C:	0.92 ± 0.03 g/mL
SOLUBILITY in water:	Emulsifiable
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY at 20°C:	Not available

10. STABILITY AND REACTIVITY**REACTIVITY:** No dangerous reaction known under conditions of normal use.**STABILITY:** Stable under normal recommended storage and handling conditions**HAZARDOUS POLYMERIZATION:** Will not occur.**INCOMPATIBILITY:** Avoid high temperatures**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:** Carbon oxides may form upon burning**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY:** LD50 (ORAL) (RAT) > 5000 MG/KG; LD50 (DERMAL) > 5000 MG/KG**SKIN CORROSION/IRRITATION:** Causes mild skin irritation. May cause an allergic skin reaction.**SERIOUS EYE DAMAGE/EYE IRRITATION:** Causes eye irritation.**RESPIRATORY OR SKIN SENSITIZATION:** May be harmful if inhaled. May cause mild skin irritation. May cause an allergic skin reaction.**GERM CELL MUTAGENICITY:** Not available**CARCINOGENICITY:** Not available**TOXICITY TO REPRODUCTION:** Not available**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:** Not available**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:** Not available**ASPIRATION HAZARD:** Not available**12. ECOLOGICAL INFORMATION**

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Recycle this container if appropriate. Dispose or incinerate according to your state's recommended procedures. Follow your local waste disposal agency instructions for any leftover product in the container.

14. TRANSPORT INFORMATION**PROPER SHIPPING NAME:** Not regulated**Land: ADR / RID Class:** NMFC item 155050, LTL Class: 60 Insecticide**US DOT:** Not Regulated**Canadian TDG:** Not Regulated**Water: IMDG Class:** Not Regulated**Air: IATA - DGR Class:** Not Regulated

15. REGULATORY INFORMATION

EPA Reg. No. 67702-53-68539

Labeling requirements under FIFRA

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 workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

16. OTHER INFORMATION

DATE OF PREPARATION: 26 January 2026

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