

NixloTM

1.3% EC

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Nixlo 1.3% EC
DESCRIPTION: Insect Growth Regulator
EPA REG. NO.: 91234-338
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

May be fatal if swallowed and enters airways (H304)
Causes skin irritation (H315)
Causes eye irritation (H320)
May cause respiratory irritation (H335)
May cause drowsiness or dizziness (H336)
Combustible liquid (H227)
Toxic to aquatic life (H401)
Very toxic to aquatic life with long lasting effects (H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Aspiration hazard	1	Flammable liquids	4
Skin corrosion/irritation	2		
Serious eye damage/eye irritation	2B	Environmental Hazards	Category
Specific target organ toxicity, single exposure	3	Hazardous to the aquatic environment, short-term (acute)	2
		Hazardous to the aquatic environment, long-term (chronic)	1

HAZARDS NOT REQUIRING CLASSIFICATION

DO NOT use this product in or on electrical equipment due to the possibility of shock hazard. Do not mix or allow contact with oxidizing agents as a hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Avoid breathing mist/spray. Wash hands and exposed skin thoroughly after handling. Do not touch eyes. Use only outdoors or with adequate ventilation. Wear protective gloves/protective clothing/eye protection. (P210+P261+P264+P265+P271+P280)

In case of fire: See Section 5 of this document for appropriate extinguishing mediums. (P370+P378)

IF SWALLOWED: Get emergency medical help immediately. Do NOT induce vomiting. (P301+P316+P331)

IF ON SKIN: Wash with plenty of water. Specific treatment (section 4 of this document). If skin irritation occurs: Get medical help. Take off contaminated clothing and wash it before reuse. (P302+P352+P321+P332+P317+P362+P364)

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 help. (P305+P351+P338+P337+P317)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell. (P304+P340+P319)

Avoid release to the environment. (P273)

Store in well-ventilated place. Keep container tightly closed. Store locked up. (P403+P233+P405)

Collect spillage. (P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Pyriproxyfen	(2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine)	95737-68-1	1.3%
Hydrotreated light distillates (petroleum)	Distillates (petroleum), hydrotreated light	64742-47-8	63.5-67.5%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall®: **1-844-685-9173** for emergency medical treatment information. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC day or night: **1-800-424-9300** or +1 703-527-3887 (collect calls accepted).

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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.

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

5. FIREFIGHTING MEASURES

Flash Point: 163°F; 73°C

Flammable Limits (LFL-UFL): Not applicable.

Fire and Explosion Hazards: Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back.

Extinguishing Medium: Use dry chemical, foam or CO₂ extinguishing media. If water is used to fight fire, dike and collect runoff.

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff. Decontaminate fire fighting gear and personal protective equipment before reuse.

Hazardous Combustion Products: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

NFPA Ratings: Health – 1 / Flammability – 2 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Dike spill using suitable absorbent or impervious materials such as sand or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes or clothing. Avoid breathing mists or vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Storage: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	OSHA PEL	ACGIH TLV	Other	Source
Petroleum Solvent	Not Established	Not Established	50 mg/m ³ TWA	Manufacturer
Other ingredients	Not Established	Not Established	Not Established	Not Applicable
Pyriproxyfen	Not Established	Not Established	Not Established	Manufacturer

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Wear long-sleeved shirt and long pants, shoes plus socks; and appropriate chemical-resistant gloves. Wear appropriate protective eyewear, if applicable.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of clothes before removing. As soon as possible, wash thoroughly and change clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	transparent yellow liquid
Odor:	mildly bitter
Melting/freezing point:	not determined
Boiling point/Boiling range:	not determined
Flammability:	not determined
Flammability limits (upper/lower):	not determined
Flash point:	163°F; 73°C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	4.5-5.5
Capillary viscosity:	2.19-3.03 cP @ 25- 40°C
Solubility:	not determined
Partition coefficient:	not determined
Vapor pressure:	not determined
Bulk Density:	0.85 g/cm ³ (7.08 lb/gal)
Relative vapor density:	not determined
Particle characteristics:	not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Do not use or store near heat or open flame. Do not mix or allow coming in contact with Oxidizing agents. Do not use this product in or on electrical equipment due to possibility of shock hazard.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Incompatible with potassium permanganate. Incompatible with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rabbit LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rabbit LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 7.6 mg/L (4-hours)

EYE IRRITATION: Temporary irritation, tearing and blurred vision

SKIN IRRITATION: Repeated and/or prolonged skin contact may cause irritation and dermatitis

SKIN SENSITIZATION: Not a skin sensitizer

CARCINOGENICITY:

EPA: Group E: Evidence of non-carcinogenicity for humans (Pyriproxyfen)

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: No test article related teratogenic effects were observed.

REPRODUCTIVE TOXICITY: No test article related reproductive effects were observed.

OTHER TOXICITY: Eye contact can cause temporary irritation, tearing and blurred vision. Repeated and/or prolonged skin contact may cause irritation and dermatitis.

Petroleum Solvent: Inhalation of vapors at high concentration can cause central nervous system effects (dizziness, headache), irritation to eyes of respiratory tract.

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE: Petroleum solvent target organs include respiratory tract, stomach, liver, thyroid, urinary bladder, CNS, and skin.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates and practically non-toxic to birds and bees.

The following information is for the active ingredient, pyriproxyfen:

Bluegill Sunfish (LC₅₀): > 0.25 mg/L
Rainbow Trout (NOAEC): 4.3 µg/L
Daphnia (48-hour EC₅₀): 0.4 mg/L
Daphnia (NOAEC): 0.015 µg/L (very highly toxic - chronic)
Mysid (EC₅₀): 0.065 mg/L (very highly toxic - acute)
Green Algae (72-hr IC₅₀): 0.056 mg/L
Mallard/Bobwhite (Oral LD₅₀): > 2,000 mg/kg
Mallard/Bobwhite (Dietary LD₅₀): > 5,200 mg/kg
Bees (Contact/Oral LD₅₀): > 100 µg/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Containers ≤ 119 gal. (450 L) in strong outer packaging:

Not regulated

Containers > 119 gal. (450 L) in strong outer packaging:

NA1993, Combustible liquid, N.O.S. (petroleum distillates), 3, PG III, Marine Pollutant

IMDG:

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (pyriproxyfen), 9, PG III, Marine Pollutant

IATA:

Shipped internationally by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (pyriproxyfen), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

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 for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing mists or vapor. Wash thoroughly with soap

and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

See inside label booklet for additional precautionary statements.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame. Do not mix or allow coming in contact with Oxidizing agents. Hazardous Chemical reaction may occur. Do not use this product in or on electrical equipment due to possibility of shock hazard.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311/312 Hazard Categories
Immediate (Acute), Fire

SARA Title III – Section 312 Threshold Planning Quantity
Not listed

SARA Title III – Section 313 Reportable Ingredients
Not listed

CERCLA Reportable Quantity (RQ) –
Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

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