



NixloTM

IGR Concentrate

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Nixlo IGR Concentrate
DESCRIPTION: Insect Growth Regulator
EPA REG. NO.: 91234-336
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Causes skin irritation (H315)

Causes eye irritation (H320)

Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Skin corrosion / irritation	2	None	-
Serious eye damage / eye irritation	2B		
Environmental Hazards			Category
Hazardous to the aquatic environment, short-term (acute)			1
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

Wash hands and exposed skin thoroughly after handling. Do not touch eyes. Wear protective gloves. (P264+P265+P280)

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+P331+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)

Avoid release to the environment. (P273)

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	10.0%

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall®: **1-844-685-9173**. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

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.

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.

NOTE TO PHYSICIAN: Vomiting may cause aspiration pneumonia.

5. FIREFIGHTING MEASURES

Flash Point: >230°F; >110°C

Flammable Limits (LFL-UFL): Not applicable.

Fire and Explosion Hazards: None known beyond normal fire hazards.

Extinguishing Medium: Water fog, foam, dry chemical, or carbon dioxide (CO₂).

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: Carbon monoxide, carbon dioxide (CO₂)

NFPA Ratings: Health – 2 / Flammability – 1 / 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. Wear protective eyewear such as goggles, face shield, or safety glasses. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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

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

Protective Clothing: Applicators, and other handlers must wear long-sleeved shirt and long pants, socks, shoes, and waterproof chemical-resistant (Barrier Laminate or Viton \geq 14 mils) gloves.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	golden amber liquid
Odor:	mild sweet
Melting/freezing point:	not determined
Boiling point/Boiling range:	not determined
Flammability:	not determined
Flammability limits (upper/lower):	not determined
Flash point:	$>230^{\circ}\text{F}$; $>110^{\circ}\text{C}$
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	4.75-5.75
Capillary viscosity:	9.15-14.0 cP @ 25-39°C
Solubility:	not determined
Partition coefficient:	not determined
Vapor pressure:	not determined
Bulk Density:	0.86-0.98 g/cm ³ (7.2-8.2 lb/gal)
Relative vapor density:	not determined
Particle characteristics:	not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extreme temperatures and direct sunlight.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Incompatible with strong acids and bases. Incompatible with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide (CO₂)

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

DERMAL TOXICITY (rat LD₅₀): $> 5,000$ mg/kg

INHALATION TOXICITY (rat LC₅₀): > 5.05 mg/L (4-hours)

EYE IRRITATION: Irritation cleared within 7 days (rabbit)

SKIN IRRITATION: Slight irritation at 72 hours (rabbit)

SKIN SENSITIZATION: Not a contact sensitizer (guinea pig)

CARCINOGENICITY:

NTP: Not listed

IARC: Not listed

OSHA: Not listed

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

MUTAGENIC TOXICITY: No evidence of mutagenic effects for the technical grade material.

REPRODUCTIVE TOXICITY: Animal testing showed no reproductive toxicity for the technical grade material.

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 $\mu\text{g/L}$

Daphnia (48-hour EC₅₀): 0.4 mg/L

Daphnia (NOAEC): 0.015 $\mu\text{g/L}$ (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 $\mu\text{g/bee}$

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:

Not regulated

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. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear such as goggles, face shield, or safety glasses. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, and waterproof chemical-resistant (Barrier Laminate or Viton \geq 14 mils) gloves. Do not induce vomiting because of aspiration pneumonia hazard. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

See inside label booklet for additional precautionary statements.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. 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 by cleaning of equipment or disposal of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT use this product in or on electrical equipment due to the possibility of shock hazard. Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur.

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), Delayed (Chronic)

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

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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