

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/09/2007  
 MSDS No: NyGuard EZ1™  
 Date-Revised: 03/11/2010  
 Revision No: 3

## NyGuard EZ1™ Insect Growth Regulator

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** NyGuard EZ1™ Insect Growth Regulator  
**PRODUCT DESCRIPTION:** An Emulsifiable Insecticide Concentrate with Insect Growth Regulator.  
**PRODUCT CODE:** 002607, EPA REG. NO. : 1021-1620  
**ACTIVE INGREDIENT(S):** NYLAR® (Pyriproxyfen)

#### MANUFACTURER

McLaughlin Gormley King Company  
 8810 10th Avenue North  
 Minneapolis, MN 55427  
**Product Stewardship:** (888) 740-8712  
**Alternate Emergency Phone:** (952) 852-9509  
**Service Number:** (763) 544-0341  
**Alternate Customer Service:** (800) 645-6466

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC U.S. and CANADA:**(800) 424-9300  
**CHEMTREC All Other Areas:**(703) 527-3887  
**Emergency Phone:**(888) 740-8712

**COMMENTS:** MGK® Hours of operation are 8:00 am to 4:30 pm CST, 14:00 to 22:30 GMT.

For information regarding MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day at 1-888-740-8712.

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** CAUTION. OSHA-COMBUSTIBLE LIQUID. Do not use or store near heat, sparks, open flame, or any other ignition sources. Harmful if absorbed through the skin. Causes moderate eye irritation. Contains petroleum distillates - Vomiting may cause aspiration pneumonia. Avoid contact with skin, eyes, and clothing. DO NOT apply this product in or on electrical equipment due to the possibility of shock hazard.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes moderate eye irritation.

**SKIN:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth).

**SKIN ABSORPTION:** Harmful if absorbed through the skin.

**INGESTION:** May be harmful if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung injury.

**INHALATION:** Excessive inhalation may be irritating to the respiratory tract.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** None known.

**COMMENTS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name                              | Wt.%    | CAS        | EINECS     |
|--|---------|------------|------------|
| NYLAR® (Pyriproxyfen)                      | 1.3     | 95737-68-1 | Not Avail. |
| Petroleum Distillates, Light, Hydrotreated | 50 - 80 | 64742-47-8 | 265-149-8  |

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/09/2007  
 MSDS No: NyGuard EZ1™  
 Date-Revised: 03/11/2010  
 Revision No: 3

## NyGuard EZ1™ Insect Growth Regulator

**COMMENTS:** Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

**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.

**SKIN:** 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.

**INGESTION:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NOTES TO PHYSICIAN:** This product contains petroleum distillates and poses an aspiration pneumonia hazard.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 67.2°C (153°F) TAG Closed Cup

**FLAMMABLE CLASS:** OSHA-COMBUSTIBLE LIQUID

**EXTINGUISHING MEDIA:** Foam, carbon dioxide or dry chemical.

**HAZARDOUS COMBUSTION PRODUCTS:** Under fire conditions this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

**FIRE FIGHTING PROCEDURES:** Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

**SENSITIVE TO STATIC DISCHARGE:** Yes, use proper bonding and/or grounding procedures.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**LARGE SPILL:** Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**GENERAL PROCEDURES:** Contaminated absorbent and wash water should be disposed of according to local state/provincial and federal/national regulations.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** COMBUSTIBLE LIQUID. DO NOT USE IN OR AROUND ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. Do not use or store near heat, open flame, or any other ignition sources.

**HANDLING:** Take prudent precautions to avoid contact with skin, eyes, and clothing. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal. Read and observe all precautions and instructions on the label.

**STORAGE:** Store in a cool, dry area, under lock and key. Post as a pesticide storage area. Keep away from heat, sparks, open flame, and any other ignition sources. Keep away from strong acids, bases and oxidizers. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies.

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/09/2007  
 MSDS No: NyGuard EZ1™  
 Date-Revised: 03/11/2010  
 Revision No: 3

## NyGuard EZ1™ Insect Growth Regulator

Place liquid formulations on lower-shelves, and dry formulations above.

### KEEP OUT OF REACH OF CHILDREN

**ELECTROSTATIC ACCUMULATION HAZARD:** This product contains petroleum distillates for which there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |     |                 |                   |           |                   |              |                   |
|---|-----|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
|   |     | EXPOSURE LIMITS |                   |           |                   |              |                   |
|   |     | OSHA PEL        |                   | ACGIH TLV |                   | Supplier OEL |                   |
| Chemical Name                               |     | ppm             | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> | ppm          | mg/m <sup>3</sup> |
| NYLAR® (Pyriproxyfen)                       | TWA | None            |                   | None      |                   | None         |                   |
| Petroleum Distillates, Light, Hydrotreated  | TWA | 500             | 2000              | None      |                   | None         |                   |

**ENGINEERING CONTROLS:** Ventilate treatment area thoroughly before re-entry.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Take prudent precautions to avoid contact with eyes.

**SKIN:** Take prudent precautions to avoid contact with skin and clothing.

**WORK HYGIENIC PRACTICES:** DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA!

Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Odor of Petroleum Distillates.

**APPEARANCE:** Clear to light-amber colored liquid.

**COLOR:** 1.0 on Gardner Scale.

**pH:** 7.8

**Notes:** @ 1.3% in Water.

**VAPOR DENSITY:** Heavier than air.

**FREEZING POINT:** Not Available

**FLASHPOINT AND METHOD:** 67.2°C (153°F) TAG Closed Cup

**SOLUBILITY IN WATER:** Partially miscible in water.

**SPECIFIC GRAVITY:** 0.854 (Water = 1) at 20°C (68°F)

**VISCOSITY #1:** 10.5 CPS at 23°C (73.4°F) Brookfield

**(VOC):** < 67.000 %

## 10. STABILITY AND REACTIVITY

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/09/2007  
 MSDS No: NyGuard EZ1™  
 Date-Revised: 03/11/2010  
 Revision No: 3

## NyGuard EZ1™ Insect Growth Regulator

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not compatible with strong acids or bases. Not compatible with strong oxidizers.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

**DERMAL LD<sub>50</sub>:** > 2.0 gm/kg

**Notes:** Albino rabbit.

**ORAL LD<sub>50</sub>:** > 5.0 gm/kg

**Notes:** Albino rat.

**INHALATION LC<sub>50</sub>:** > 7.60 mg/L

**Notes:** Rats exposed for 4 hours to test atmosphere.

**EYE EFFECTS:** Irritation clearing by Day 7.

**SKIN EFFECTS:** Moderate irritation at 72 hours. Produced a primary skin Irritation Index of 2.17

**SENSITIZATION:** Negative; Not considered to be a dermal sensitizer to albino guinea pigs.

**GENERAL COMMENTS:** Some or all of the toxicity data reported above was bridged from a substantially similar formula.

**COMMENTS:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** 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 wash waters. Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** To avoid wastes, use all materials in the containers by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (NOTE: such programs are often run by state or local governments, or by industry).

**EMPTY CONTAINER:** Non-refillable container. DO NOT reuse or refill this container.

Triple-rinse container (or equivalent) promptly after emptying.

Triple-rinse as follows: Empty the remaining contents into application equipment or a mix-tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and re-cap. Shake for 10 seconds. Pour rinsate into application equipment or a mix-tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling if available, or puncture and dispose of container in a sanitary landfill, or by incineration. DO NOT burn unless allowed by state and local ordinances.

**RCRA/EPA WASTE INFORMATION:** None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

### 14. TRANSPORT INFORMATION

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/09/2007  
 MSDS No: NyGuard EZ1™  
 Date-Revised: 03/11/2010  
 Revision No: 3

## NyGuard EZ1™ Insect Growth Regulator

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** Non-Hazardous

**OTHER SHIPPING INFORMATION:** This material is considered to be NON-HAZARDOUS by DOT regulations.

### AIR (ICAO/IATA)

**SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** Non-Hazardous

**NOTE:** Not considered hazardous by IATA regulations for transportation via air.

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Not Available

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

**313 REPORTABLE INGREDIENTS:** This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

### REGULATIONS

#### STATE REGULATIONS:

#### VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains less than 67% VOC's.

## 16. OTHER INFORMATION

**REVISION SUMMARY:** Revision #: 3. This MSDS replaces the March 11, 2010 MSDS., , , , Any changes in information are as follows: In Section 7: Storage In Section 9: Color, (Group Field) for Water Solubility, Specific Gravity (From), VOC (From) In Section 11: Toxicological In Section 12: Environmental Data In Section 13: Empty Container, Disposal In Section 15: SARA 313 Reportable Ingredients, Regulations: State

# MATERIAL SAFETY DATA SHEET



Date Issued: 10/09/2007  
MSDS No: NyGuard EZ1™  
Date-Revised: 03/11/2010  
Revision No: 3

## NyGuard EZ1™ Insect Growth Regulator

---

### HMIS RATING

|                      |   |
|----------------------|---|
| HEALTH:              | 1 |
| FLAMMABILITY:        | 2 |
| PHYSICAL HAZARD:     | 1 |
| PERSONAL PROTECTION: |   |

**HMIS RATINGS NOTES:** We assign HMIS ratings to this product based on the hazards of its ingredients(s). Since the customer is most aware of the applications and conditions of use, he or she must ensure that the proper Personal Protective Equipment is provided, consistent with the information contained in Section's 7 and 8 of this MSDS.

**COMMENTS:** The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which McLaughlin Gormley King Company assumes legal responsibility.

MSDS Prepared by T. Azzivitto