

PRODUCT CODE: 029661

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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| PRODUCT CODE: 029661, EPA REG. NO. : 1021-2580 | |
| PRODUCT NAME: NyGuard® PLUS Flea & Tick Premise Spray. | |
| PRODUCT DESCRIPTION: An aerosol insecticide for killing ticks, fleas, flea-eggs, and other listed insects. | |
| MANUFACTURER: McLaughlin Gormley King Company, 8810 10 th Avenue North, Minneapolis, MN. 55427 | |
| TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30 GMT: (800) 645-6466 or (763) 544-0341 | |
| MSDS & Product Information, 8:00-4:30 CST, 14:00-22:30 GMT: (800) 645-6466 or (763) 544-0341 E-Mail: mgk-sds@mgk.com | |
| 24 HOUR EMERGENCY PHONE (CHEMTREC) U.S. and CANADA: | (800)-424-9300 |
| | CHEMTREC (ALL OTHER AREAS): (703) 527-3887 |
| FOR INFORMATION REGARDING MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS CALL: 1-888-740-8712 in U.S and CANADA or 952-852-9509 from all other areas | |

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

CAUTION. Contents under pressure. Do not use or store near heat, sparks, open flame, or any other ignition sources. **Do not expose to temperatures above 130°F (54.4°C), as bursting may occur.** Avoid contact with skin, eyes, and clothing. DO NOT puncture or incinerate container. Follow the "Directions For Use" on the product label very carefully.

- EYES:** May cause temporary irritation, tearing, and blurred vision.
- SKIN:** Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, mouth). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- SKIN ABSORPTION:** No short-term harmful effects expected.
- INGESTION:** May be harmful if swallowed.
- INHALATION:** Excessive inhalation of mists can cause nasal and respiratory irritation.
- CHRONIC EFFECTS:** None known.
- CARCINOGENICITY:** 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.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT(s) | CAS # | EXPOSURE LIMITS | SARA Title III Sec. 313 de minimus conc. | % BY WEIGHT |
|--|-------------|--|--|-------------|
| Pyriproxyfen (NYLAR®) [2-(1-Methyl-2-(4-phenoxyphenoxy) ethoxy) pyridine] | 095737-68-1 | Not established | Not Applicable | 0.10 |
| SUMITHRIN® (d-Phenothrin) | 026002-80-2 | Not established | 1.00 | 0.40 |
| MGK® 264 Insecticide Synergist | 000113-48-4 | Not established | Not Applicable | 1.60 |
| Petroleum Distillates | 064742-47-8 | 152 ppm (1200 mg/m³) TWA (supplier recommended) | Not Applicable | < 10 |
| Liquefied Petroleum Gases | 068476-85-7 | 1000 ppm (1800 mg / m³) TWA (OSHA, NIOSH, ACGIH) | Not Applicable | 10←→15 |
| PEL = Permissible Exposure Limits. TLV = Threshold Limit Value. | | TWA = Time Weighted Average (8 hour). STEL = Short Term Exposure Limit (15 minute's). | | |
| COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications. | | | | |

4. FIRST-AID MEASURES

FIRST AID PROCEDURES:

- 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.
- INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- INGESTION:** 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 doctor. Do not give anything by mouth to an unconscious person.
- NOTE TO PHYSICIANS:** For skin effects, a highly efficient therapeutic agent for Pyrethroid exposure is topical application of Tocopherol Acetate (Vitamin E).

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

- FLASH POINT:** >200 °F/ >93.3 °C **METHOD:** TAG Closed Cup (Non-Volatiles).
This aerosol is NOT classified as FLAMMABLE by the Flame-Extension Test Method described in 16 CFR 1500.45.
- LOWER FLAMMABLE LIMIT:** not established. **UPPER FLAMMABLE LIMIT:** not established.
- AUTOIGNITION TEMPERATURE:** not established.

HAZARDOUS COMBUSTION PRODUCTS:

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

EXTINGUISHING MEDIA:

Foam, carbon dioxide, or dry chemical.

FIRE FIGHTING INSTRUCTIONS:

Treat as an oil fire. Keep personnel removed and upwind of fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.

CHEMTREC® (TRANSPORTATION): (800)-424-9300 **MEDICAL EMERGENCIES:** 1-888-740-8712

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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.

WASTE DISPOSAL METHOD: Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

RCRA \ CERCLA HAZARDOUS WASTE:

| | | |
|-------------------|------------------|------------------------|
| INGREDIENT | RCRA ID#: | CERCLA RQ-VALUE |
| None | | |

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

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not use or store near heat, sparks, open flame, or any other ignition sources.

HANDLING: Contents under pressure - DO NOT puncture or incinerate container. Do not use or store near heat, sparks, open flame, or any other ignition sources. Take prudent precautions to avoid contact with skin, eyes, and clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, food or feedstuffs by storage, handling, or disposal. **READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.**

STORAGE: Store containers upright and closed. Always store pesticides in the original container. Store away from food and pet-food. Store in areas that are cool, dry, and well-ventilated. **DO NOT expose to temperatures above 130°F (54.4°C), as bursting may occur.** DO NOT use or store near heat, sparks, open flame, near any ignition sources, or near strong acids, bases, and oxidizers. Emptied containers may retain product residues. **KEEP OUT OF REACH OF CHILDREN.**

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, 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, and using the toilet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not established by OSHA or ACGIH (see Section 2 for individual components).

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

RESPIRATORY PROTECTION: Not required.

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

EYE PROTECTION: Take prudent precautions to avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|------------------------|-----------------------------|-----------------------------|---|
| APPEARANCE: | Milky, white liquid. | MELTING POINT: | Not available |
| ODOR: | Slight surfactant odor. | SOLUBILITY IN WATER: | Partially miscible in water (Non-Volatiles). |
| PHYSICAL STATE: | Liquefied gases and liquid. | SPECIFIC GRAVITY: | 0.979 @ 22°C (71.6°F) (Non-Volatiles) |
| VAPOR PRESSURE: | Not available | COLOR, (GARDNER): | Not available |
| VAPOR DENSITY: | Heavier than air. | pH: | 7.5 @ 5% in H ₂ O. (Non-Volatiles) |
| BOILING POINT: | Not available | VISCOSITY: | 2,483.3 CPS @ 21.3°C (70.3°F) Brookfield on Non-Volatiles |
| VOC: | <15% | REFRACTIVE INDEX: | Not available |

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: NO, NO₂, CO, CO₂ gases

INCOMPATIBILITY: Strong acidic or alkaline materials.

HAZARDOUS POLYMERIZATION: Will not occur.

11. OTHER INFORMATION

HMIS RATINGS:
We assign HMIS ratings to this product based on the hazards of its ingredient(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with information contained in Section's 7 and 8 of this MSDS.

HMIS RATINGS:

| | |
|-----------------|---|
| Health | 2 |
| Flammability | 4 |
| Physical Hazard | 1 |

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.

Material Safety Data Sheet prepared by T. Azzivitto