

MATERIAL SAFETY DATA SHEET



Date Issued: 08/30/2012
MSDS No: NyGuard® PLUS
Date-Revised: 08/31/2012
Revision No: 1

NyGuard® PLUS Flea & Tick Premise Spray

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NyGuard® PLUS Flea & Tick Premise Spray

PRODUCT DESCRIPTION: An aerosol insecticide for killing ticks, fleas, flea-eggs, and other listed insects.

PRODUCT CODE: 029661, EPA REG. NO. : 1021-2580

ACTIVE INGREDIENT(S): NYLAR® (Pyriproxyfen); SUMITHRIN® (d-Phenothrin); MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)

MANUFACTURER

McLaughlin Gormley King Company
 8810 10th Avenue North
 Minneapolis, MN 55427

Emergency Contact: SafetyCall@

E-Mail: mgk-sds@mgk.com

Emergency Phone: 1(888) 740-8712

Alternate Emergency Phone: 1(952) 852-9509

Service Number: 1(800) 645-6466

24 HR. EMERGENCY TELEPHONE NUMBERS

FOR TRANSPORTATION:

CHEMTREC® U.S. and CANADA: 1(800) 424-9300

CHEMTREC® All Other Areas: 1(703) 527-3887

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

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: 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.

POTENTIAL HEALTH EFFECTS

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.

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

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| Chemical Name | Wt.% | CAS | EINECS |
|---|---------|------------|------------|
| NYLAR® (Pyriproxyfen) | 0.1 | 95737-68-1 | Not Avail. |
| SUMITHRIN® (d-Phenothrin) | 0.4 | 26002-80-2 | 247-404-5 |
| MGK®-264 (N-Octyl Bicycloheptene Dicarboximide) | 1.6 | 113-48-4 | 204-029-1 |
| Petroleum Distillates | < 10 | 64742-47-8 | 265-149-8 |
| Liquefied Petroleum Gas | 10 - 15 | 68476-86-8 | 270-705-8 |

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: For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This aerosol is NOT classified as FLAMMABLE by the flame extension test method described in 16 CFR 1500.45.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

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.

EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F (54.4°C) may cause bursting.

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.

SENSITIVITY TO IMPACT: Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.

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.

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ENVIRONMENTAL PRECAUTIONS

WATER SPILL: 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.

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 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | | | |
|---|-----|-----------------|-------------------|-----------|-------------------|-------------|-------------------|
| | | EXPOSURE LIMITS | | | | | |
| | | OSHA PEL | | ACGIH TLV | | SupplierOEL | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ | ppm | mg/m ³ |
| NYLAR® (Pyriproxyfen) | TWA | None | | None | | None | |
| SUMITHRIN® (d-Phenothrin) | TWA | None | | None | | None | |
| MGK®-264 (N-Octyl Bicycloheptene Dicarboximide) | TWA | None | | None | | None | |
| Petroleum Distillates | TWA | None | | None | | 152 [1] | 1200 [1] |
| Liquefied Petroleum Gas | TWA | 1000 | 1800 | 1000 | 1800 | None | |

OSHA TABLE COMMENTS:
1. Based on total hydrocarbon composition.

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

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquefied gases and liquid.

ODOR: Slight surfactant odor.

APPEARANCE: Milky, white liquid.

pH: 7.5

Notes: @ 5% in water.

pH measurement is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

VAPOR DENSITY: Heavier than air.

FREEZING POINT: Not Determined

SOLUBILITY IN WATER: Partially miscible in water.

Notes: Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

SPECIFIC GRAVITY: 0.979 (Water = 1) at 22 °C (71.6 °F)

Notes: Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

VISCOSITY #1: 2483.3 CPS at 21.3 °C (70.3 °F) Brookfield on Non-Volatiles

(VOC): < 15.000 %

10. STABILITY AND REACTIVITY

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 LD₅₀: > 5000 mg/kg

Notes: Albino rabbit.

ORAL LD₅₀: > 5000 mg/kg

Notes: Albino rat.

INHALATION LC₅₀: > 2.08 mg/L

Notes: Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC₅₀ of this material places it in EPA Toxic Category IV.

EYE EFFECTS: Non-irritating to eyes (Albino rabbits). Maximum Mean Total Score = 0.

SKIN EFFECTS: Moderately irritating (Albino rabbits). Produced a Primary Dermal Irritation Index of 3.6. All animals were free of erythema and edema by Day 7.

SENSITIZATION: Positive.

GENERAL COMMENTS: Some of the above toxicity data was bridged from the concentrate, that is used in manufacturing this end-use product.

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.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

IF EMPTY:

Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED:

Call your local solid waste agency for disposal instructions. Never pour unused product down any indoor or outdoor drain.

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

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

AIR (ICAO/IATA)

SHIPPING NAME: Consumer Commodity

UN/NA NUMBER: UN8000

PRIMARY HAZARD CLASS/DIVISION: 9

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Available

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** Yes **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

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reporting requirements.

REGULATIONS

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains less than 15% VOC's.

16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 08/31/2012 MSDS. Revised: **Section 3:** .

HMIS RATING

| | | |
|----------------------------|--------------------------|----------|
| HEALTH | <input type="checkbox"/> | 2 |
| FLAMMABILITY | | 4 |
| PHYSICAL HAZARD | | 1 |
| PERSONAL PROTECTION | <input type="checkbox"/> | |

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