

SAFETY DATA SHEET (GHS)



Date Issued : 9/28/2011
MSDS No : Bedlam® PLUS
Date-Revised : 5/22/2014
Revision No : 7

Bedlam® PLUS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bedlam® PLUS

PRODUCT DESCRIPTION: An Aerosol Insecticide for Commercial and Residential Use.

PRODUCT CODE: 29511, EPA REG. NO. : 1021-2569

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

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

GHS CLASSIFICATIONS

| Health | Environmental |
|---|--|
| Acute Toxicity (Inhalation), Category 4 Acute Toxicity (Oral), Category 5 Skin Sensitization, Category 1B | Acute Hazards to the Aquatic Environment, Category 1 |




GHS LABEL

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| | |
|--|--|
|  Environment (GHS 09) |  Exclamation mark (GHS 07) |
| H400: Very toxic to aquatic life. | <p style="text-align: center;">WARNING</p> H332: Harmful if inhaled. H312: Harmful in contact with skin. H303: May be harmful if swallowed. |
|  Gas cylinder (GHS 04) | |
| H280: Contains gas under pressure; may explode if heated. | |
| <p>PRECAUTIONARY STATEMENT(S)</p> <p>Prevention:</p> <p>P202: Do not handle until all safety precautions have been read and understood. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P270: Do not eat, drink, or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Response:</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>Storage:</p> <p>P411+P235: Store at temperatures not exceeding 54.4°C/ 130°F. Keep cool. P403: Store in a well-ventilated place.</p> <p>Disposal:</p> <p>P501: Dispose of contents/container to an approved waste disposal plant.</p> | |

COMMENTS: This material is considered hazardous by the 2012 OSHA Hazard Communication Standard [29 CFR 1910.1200(a)(1)], and the G.H.S.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS | EINECS |
|---|---------|-------------|------------|
| SUMITHRIN® (d-Phenothrin) | 0.4 | 26002-80-2 | 247-404-5 |
| MGK®-264 (N-Octyl Bicycloheptene Dicarboximide) | 1 | 113-48-4 | 204-029-1 |
| Imidacloprid | 0.05 | 138261-41-3 | Not Avail. |
| Liquefied Petroleum Gas | 10 - 15 | 68476-86-8 | 270-705-8 |

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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.

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 APPLY THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. 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

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flame, or any other ignition sources. Take prudent precautions to avoid contact with skin, eyes, and clothing. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) | | | | | | | |
|---|-----|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
| | | EXPOSURE LIMITS | | | | | |
| | | OSHA PEL | | ACGIH TLV | | Supplier OEL | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ | ppm | mg/m ³ |
| SUMITHRIN® (d-Phenothrin) | TWA | None | | None | | None | |
| MGK®-264 (N-Octyl Bicycloheptene Dicarboximide) | TWA | None | | None | | None | |
| Imidacloprid | TWA | None | | None | | None | |
| Liquefied Petroleum Gas | TWA | 1000 | 1800 | 1000 | 1800 | 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: Liquefied gases and liquid.

ODOR: Sweet, solvent-odor.

APPEARANCE: Milky, white liquid.

pH: 5.3

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.

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

SPECIFIC GRAVITY: 1 (Water = 1) at 21.1°C (70.0°F)

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

VISCOSITY #1: 5.33 CPS at 21.1°C (70.0°F) Brookfield on Non-Volatiles

(VOC): < 13.000 %

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: > 2.09 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: Irritation clearing in less than 24 hours. Practically non-irritating.

SKIN EFFECTS: Slight irritation at 72 hours. Irritation Index = 0.80

SENSITIZATION: Positive.

GENERAL COMMENTS: Some of the above toxicity data was bridged from the insecticide 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.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DO NOT puncture or incinerate container!

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.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR

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251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1950, Aerosols, Non-flammable, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: 2.2

AIR (ICAO/IATA)

SHIPPING NAME: UN1950, Aerosols, Non-flammable, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: 2.2

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1950, Aerosols, Non-flammable, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: 2.2

MARINE POLLUTANT #1: d-Phenothrin (SUMITHRIN®)

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 reporting requirements.

REGULATIONS

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC):

This product contains less than 13% VOC's.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): NOTE: This chemical is a pesticide product registered by the United States 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:

CAUTION. Harmful if swallowed. Avoid contact with skin, eyes, and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54.4°C) may cause bursting. Do not apply this product around electrical equipment due to the possibility of shock hazard.

16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 5/21/2014 MSDS.

HMIS RATING

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



Specimen Label

KILLS PYRETHROID RESISTANT BED BUGS AND THEIR EGGS.

- Kills Bed Bugs where they hide
- Will not stain water-safe fabrics and surfaces
- For use on mattresses, wood furniture and carpet
- Dual Modes of Action
- Controls Bed Bugs on wood and ceramic surfaces and carpet for up to 2 weeks

ACTIVE INGREDIENTS:

| | |
|--|---------|
| 3-phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2, | |
| 2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate | 0.40% |
| N-Octyl bicycloheptene dicarboximide | 1.00% |
| Imidacloprid | 0.05% |
| OTHER INGREDIENTS | 98.55% |
| | 100.00% |



KEEP OUT OF REACH OF CHILDREN
CAUTION

See inside for first aid and precautionary statements.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

USE RESTRICTIONS:

- This product is not for use on humans or animals.
- In hospitals and nursing homes, remove patients from immediate area to be treated. Allow surfaces to dry before reoccupying.
- Do not use in commercial food/feed processing, preparation, food/feed storage or serving areas.
- In the home, all food/feed processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Exposed food/feed should be covered or removed.
- Remove pets, birds and cover fish aquariums before spraying.
- Do not apply to furniture or upholstery where prolonged contact with humans will occur.
- Do not apply to bed linens or other materials that come in direct contact with occupants of the bed.

SHAKE WELL BEFORE EACH USE.

APPLICATION: Use as an indoor spot spray or crack and crevice treatment. Spray in an inconspicuous area to test for possible staining. Evaluate test area after drying. Hold container upright with nozzle aimed away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray each square foot until damp. Use the straw applicator for crack and crevice treatment. Allow sprayed articles and surfaces to dry thoroughly before using. Do not allow children or pets to contact treated areas until surfaces are dry.

TO KILL CRAWLING INSECTS:

Apply as a spot or crack and crevice treatment where insects are harboring, traveling, or breeding. Treat interior entry points such as around windows, doors, and water pipes. Also treat feeding or hiding areas such as baseboards, carpet, floor, rugs, under refrigerators, cabinets, sinks, and stoves.

TO KILL BED BUGS AND BED BUG EGGS:

For infested mattresses, remove linens and wash before reuse. Apply to tufts, folds, edges, sides and seams until damp. Allow to dry before reuse. Apply on and around baseboards, carpet, rugs, bed frames, box springs, headboards, wheelchairs, closets, wall hangings, furniture, seats, moldings, picture frames, ceiling, drapes, luggage, and walls. Spray bed bugs and eggs directly whenever possible. Use attached straw applicator for crack and crevice treatments.

TO KILL BROWN DOG TICKS AND FLEAS:

Spray on and around beds, furniture and pet's habitat. Spray pet sleeping quarters, bedding, carpeting, floor and floor covering where pets are kept. Use only a recommended pet spray on pets.

TO KILL DUST MITES:

Thoroughly vacuum entire room concentrating on areas where mites congregate such as mattresses, box springs, headboards, walls, floors, carpeting, and baseboards. Spray surfaces until damp. Allow to dry before reuse.

TO KILL CLOTHES MOTHS AND CARPET BEETLES:

Apply as a spot treatment to cracks and crevices on and around baseboards, floorboards, furniture and around the edges of carpet. Apply to carpet, rugs, closets, baseboards, furniture, on floor and floor coverings. When treating carpets, floor coverings or rugs, spray a sufficient amount to get the spray down into the base where the larval stages are feeding. Spray upper and lower surfaces of rugs or floor covering when possible.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE:

Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

PESTICIDE DISPOSAL AND CONTAINER HANDLING:

Do not puncture or incinerate!

Non-refillable container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not apply this product around electrical equipment due to the possibility of shock hazard.



Federal regulations prohibit
CFC propellants in aerosols

FIRST AID

IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or a doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.



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EPA Est. No. 1021-MN-2
1111-0212



Manufactured by MGK®
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