

# MATERIAL SAFETY DATA SHEET



**Date Issued :** 8/5/2008  
**MSDS No :** Bedlam® (CANADA)  
**Date-Revised :** 11/6/2013  
**Revision No :** 4

## Bedlam® Insecticide (CANADA)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Bedlam® Insecticide (CANADA)  
**PRODUCT DESCRIPTION:** An Aerosol Insecticide for Killing Bedbugs, and Bedbug Eggs.  
**PRODUCT CODE:** CANADA PCP Registration Number: 30075  
**ACTIVE INGREDIENT(S):** N-Octyl bicycloheptene dicarboximide; d-Phenothrin

#### 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 or 1-952-852-9509 outside of the U.S.A.

### 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.**

Harmful if swallowed. May cause skin irritation. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product.

Contains petroleum distillates - Vomiting may cause aspiration pneumonia.

Applicators and other handlers must wear a long-sleeved shirt and long-pants, shoes and socks.

DO NOT puncture or incinerate container. DO NOT apply this product in or on electrical equipment due to the possibility of shock hazard. Follow the "Directions For Use" on the product label very carefully.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause temporary irritation, tearing, and blurred vision.

**SKIN:** May cause skin irritation.

**SKIN ABSORPTION:** May be harmful if absorbed through the skin.

**INGESTION:** 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 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).

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
N-Octyl bicycloheptene dicarboximide	1.6	113-48-4	204-029-1
d-Phenothrin	0.4	26002-80-2	247-404-5
Petroleum Distillates	< 3	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:** Contains Pyrethroids and Petroleum Distillates - vomiting may pose an aspiration pneumonia hazard. 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

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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 flame, or any other ignition sources. Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. 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		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
N-Octyl bicycloheptene dicarboximide	TWA	None		None		None	
d-Phenothrin	TWA	None		None		None	
Petroleum Distillates	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.

**RESPIRATORY:** Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/ or spray mists of this product.

**PROTECTIVE CLOTHING:** Wear a long-sleeved shirt and long pants, shoes and socks.

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

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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 smell.

**APPEARANCE:** Milky, white liquid.

**pH:** 7.43

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

**VAPOR DENSITY:** Heavier than air.

**FREEZING POINT:** Not Available

**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:** 0.988 (Water = 1) at 20 °C (68 °F)

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

**VISCOSITY #1:** 4.83 CPS at 25 °C (77 °F) Brookfield on Non-Volatiles

**(VOC):** < 12.000 %

### 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 LD<sub>50</sub>:** > 2000 mg/kg

**Notes:** Albino rabbit.

**ORAL LD<sub>50</sub>:** > 5000 mg/kg

**Notes:** Albino rat.

**INHALATION LC<sub>50</sub>:** Rats exposed for 4 hours to test atmosphere. The Acute Inhalation LC<sub>50</sub> of this material places it in EPA Toxic Category IV.

**EYE EFFECTS:** Irritation cleared within 48 hours for the un-rinsed eye, and within 24 hours for the rinsed eye.

**SKIN EFFECTS:** Slight irritation at 72 hours. Irritation Index = 2.2

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

**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.

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### 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGICAL INFORMATION:

This product is toxic to aquatic organisms. As this product is NOT registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** When container is empty, press valve to release all remaining pressure. Dispose of empty container in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**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

**PACKING GROUP:** 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 12% VOC's.

#### CANADA

#### WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

**WHMIS Classification:** This product is registered under the *Pest Control Product Act* and is exempt from the requirements of WHMIS.

**WHMIS CLASS: Class A - Compressed Gas** (Aerosol container; liquid).

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

**PCP REG. NO:** 30075

## 16. OTHER INFORMATION

**REVISION SUMMARY:** This MSDS replaces the 2/9/2012 MSDS. Revised: **Section 9: FREEZING POINT. Section 15: WHMIS CLASS.**

#### HMIS RATING

HEALTH	<input type="checkbox"/>	1
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