

Material Safety Data Sheet

MGK[®] Asia-Pacific Pty Ltd

McLaughlin Gormley King Company

PRODUCT CODE: C027911

Date Prepared: 31/7/2013

Replaces: 02/4/2009

Bedlam[®] Insecticide

Page 1 of 7

1 Identification

Product Name: **Bedlam[®] Insecticide**
Other Names: MULTICIDE[®] Lice & Dust Mite Spray 27911; F-27911

Uses: An Aerosol Insecticide for Killing Bedbugs, Lice, and Dust Mites.

Supplier Name: MGK[®] Asia-Pacific PTY Limited
Address: Suite 105/25 Solent Circuit
Baulkham Hills NSW 2153, Australia

24 Hour Emergency Contact numbers:

Telephone: 0412 55 10 91 / 0417 95 07 92
Chemtrec Int'l: 0011 1 703 527-3887

2 Hazards Identification

Classified as hazardous according to the criteria of NOHSC

Individual packs not classified as Dangerous Goods for transport according to criteria of ADG 7.

Risk Phrases:

R36/38 Irritating to eyes and skin.
R52 Harmful to aquatic organisms.

Safety Phrases:

S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.
S35 This material and its container must be disposed of in a safe way.

3 Composition / Ingredients

Identity (Other Names)	CAS Number	Proportion by weight
MGK [®] -264	000113-48-4	1.60
SUMITHRIN [®]	026002-80-2	0.40
Petroleum Distillates, hydrotreated light	064742-47-8	< 3
Petroleum Gases, Liquefied	068476-85-7	10 - 15
Other ingredients not individually contributing to hazard		80 - 88

4 First Aid Measures

Swallowed: Immediately call a Poisons Information Centre or doctor for treatment advice. DO NOT give

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Page 2 of 7

	any liquid to the person. Do not induce vomiting unless told to do so by a Poisons Information Centre or doctor. Never give anything by mouth to an unconscious person.
In Eye:	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 Information Centre or doctor for treatment advice.
On Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poisons Information Centre or doctor for treatment advice.
Inhaled:	Move person to fresh air. If person is not breathing, call 000 ask for an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a Poisons Information Centre or doctor for further treatment advice.

5 Fire Fighting Measures

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.
Precautions for Fire Fighters:	Treat as an oil fire. Keep people away 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.
Hazchem Code:	2Y

6 Accidental Release Measures

Emergency Procedures:	Shut off ignition sources. Stop release, if possible without risk. Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to
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Page 3 of 7

Containment of Spill: local, state and federal regulations. 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 vapours. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

7 Handling and Storage

Precautions for Safe Handling:

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

Contents under pressure - DO NOT puncture or incinerate container. Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapours or spray mists of this product. Mechanical ventilation should be used when handling this product in enclosed spaces. 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.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated, preferably locked storage area. Exposure to temperatures above 54.4°C may cause bursting. Store containers upright and closed. Keep away from heat, ignition sources, and strong oxidizers. Emptied containers may retain product residues.

8 Exposure Controls / Personal Protection

Engineering Controls:

Ensure adequate ventilation when handling this product, especially in enclosed spaces. Local exhaust ventilation may be necessary.

Personal Protective Equipment:

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PRODUCT CODE: C027911

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Page 4 of 7

Eyes and Face:	No personal protective equipment required under normal use conditions. Take prudent precautions to avoid contact with eyes.
Skin:	No personal protective equipment required under normal use conditions. 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 vapours and/or spray mists of this product.
Work Hygiene 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 or using the toilet.

9 Physical and Chemical Properties

Appearance:	Milky, opaque white liquid
Odour:	Sweet smell
Vapour Pressure:	Not Available
Vapour Density:	Heavier than air
Boiling Point/range:	Not Available
Freezing /Melting Point:	Not Available
Solubility:	Partially miscible in water
Specific Gravity / Density:	0.988 (Water = 1) at 20°C
pH:	4.83 CPS @ 25°C
Flash Point:	> 93.3°C TAG Closed Cup

10 Stability and Reactivity

Chemical Stability:	Stable
Conditions to Avoid:	Flames and other sources of ignition
Incompatible Materials:	Strong acidic or alkaline materials
Hazardous Decomposition Products:	In fire, may decompose to produce irritating and asphyxiating gases including oxides of nitrogen (NO, NO ₂) and carbon (CO, CO ₂)

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Bedlam[®] Insecticide

Page 5 of 7

Hazardous Reactions: Hazardous polymerisation not known to occur

11 Toxicological Information

Acute

Swallowed: May be harmful if swallowed.

In Eyes: May cause temporary irritation, tearing, and blurred vision.

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

Inhaled: Excessive inhalation of mists can cause nasal and respiratory irritation.

Chronic

None known. None of the components present in this material at concentrations equal to or greater than 0.1% are classified as carcinogens.

12 Ecological Information

Ecotoxicity: Harmful in the aquatic environment

Persistence / Degradability: Based on information for the active constituents, not expected to persist in the atmosphere. In water, will adsorb to soil sediments.

Bioaccumulation Potential: May bioconcentrate in aquatic organisms.

13 Disposal Considerations

Disposal Methods: Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

14 Transport Information

UN Number: 1950

Proper Shipping Name: Aerosols

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Bedlam[®] Insecticide

Page 6 of 7

Class (Subsidiary Risk): 2.1

Hazchem Code: 2Y

15 Regulatory Information

Poison Scheduling:	Not Scheduled
Registration/Notification:	APVMA Registration Pending

16 Other Information

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Glossary

ACGIH - American Conference of Governmental and Industrial Hygienists.

ASCC - Australian Safety and Compensation Commission.

BCF - Bioconcentration Factor - ability to accumulate a chemical in an organism to levels greater than in the surrounding medium. Calculated by dividing the concentration of a chemical in an organism by the concentration in the surrounding medium.

EC₅₀ - median effective concentration. The concentration of a substance that courses a specified response/effect in an organism or population.

Explosive Limits - The range of concentrations (% by volume in air) of a flammable gas or vapour that can result in an explosion in a confined space.

K_{oc} - the organic carbon partition coefficient (mL soil water /g organic carbon).

LC₅₀ - Lethal Concentration 50%. The concentration of a substance that kills 50% of a target population.

LD₅₀ - Lethal Dose-50%. The dose of a substance that kills 50% of a target population.

NOAEL - The highest dose or concentration of a substance used in a test/study that does not produce any observable adverse effects in the target organism.

NOEL - The highest dose call concentration of a substance used in a test/study that does not produce any observable effects in the target organism.

pH - Measure of how acidic or alkaline a material is using a 1 - 14 scale. pH 1 is strongly acidic and pH 14 strongly alkaline.

Polymerisation - a chemical reaction in which molecules (monomers) combine to form larger molecules (polymers). A hazardous polymerisation reaction is one that occurs at a fast rate and releases large amounts of energy.

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Date Prepared: 31/7/2013

Replaces: 02/4/2009

Page 7 of 7

Bedlam[®] Insecticide

P_{ow} - The octanol-water partition coefficient. The ratio of the concentration of octanol and in water at equilibrium and at a specified temperature used in environmental studies to indicate fate of chemicals and the environment.

STEL - Short-Term Exposure Limit. The maximum concentration of a substance that workers can be exposed to for periods up to 15 minutes without adverse effects e.g. irritation, tissue damage, narcosis (drowsiness or unconsciousness).

SWA - Safe Work Australia.

TWA - Time Weighted Average. The time weighted average concentration of a substance that most workers may be repeatedly exposed to over a 8-hour or 40-hour week without adverse effect.

References

Prepared using data supplied by manufacturer and public databases.

This Material Safety Data Sheet has been written according to the NOHSC National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)]. 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

CONTACT Point:

Dennis Foster, Managing Director
MGK[®] Asia-Pacific PTY Limited
Suite 105/25 Solent Circuit
Baulkham Hills NSW 2153,
Australia
A.C.N. 085 882 382
Telephone: 0412 55 10 91

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McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, Minnesota
55427 U.S.A.
Phone: (0011)(1)(763) 544-0341
Facsimile: (0011)(1)(763) 544-6437
e-Mail: mgk-sds@mgk.com
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