

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Fleas Bug Bomb

Issue Date: 28/06/2016

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## 1. PRODUCT AND COMPANY INFORMATION

|                           |   |
|---------------------------|---|
| <b>Product Name:</b>      | <b>NO Fleas Bug Bomb</b>  |
| Synonyms:                 | Flammable aerosol containing 10 g/kg permethrin plus 6 g/kg pyriproxyfen. |
| Molecular Formula:        | Mixture   |
| Supplier:                 | Kiwicare Corporation Limited  |
| Street Address:           | 225 Maces Road, Bromley, Christchurch, 8062<br>New Zealand                |
| Postal Address:           | P.O Box 15050, Aranui, Christchurch, 8643 New<br>Zealand                  |
| Telephone                 | +64 3 389 0778  |
| Email:                    | <a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>              |
| Website:                  | <a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>                |
| Emergency Contact Numbers |   |
| National Poisons Centre:  | 0800 764 766 (0800 POISON)  |

## 2. HAZARDS IDENTIFICATION

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Dangerous Goods:                  | 2.1 Flammable aerosol               |
| Packaging Group:                  | None allocated                      |
| Hazardous Substance (HSNO) Codes: | 2.12A, 6.5A, 6.5B, 6.9B, 9.1A, 9.4A |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                  |                       |
|------------------|-----------------------|
| Recommended Use: | Household insecticide |
| Appearance:      | Vapour                |

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

| Ingredients                   | CAS #      | Content % w/w or w/v |
|-------------------------------|------------|----------------------|
| Liquefied petroleum gas (LPG) | 68476-85-7 | >980 g/kg            |
| Permethrin                    | 52645-53-1 | 10 g/kg              |
| Pyriproxyfen                  | 95737-68-1 | 6 g/kg               |

## 4. FIRST AID MEASURES

|               |   |
|---------------|---|
| Ingestion:    | Due to high volatility of product, this is not likely to occur. If ingestion occurs, do not induce vomiting. Vomiting after ingestion may cause aspiration of the hydrocarbon solvents into the lungs that may result in fatal pulmonary oedema. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in Recovery position. Obtain medical advice immediately. |
| Eye Contact:  | Vapour may irritate eyes causing redness, watering and itching. Check for and remove any contact lenses if easy to do so. Flush eyes with clean running water for 15 minutes. Do not use eye ointment.  |
| Skin Contact: | May cause irritation. May result in initial stinging, burning tingling or a rash. Wash affected area with soap and water. Remove and wash any contaminated clothing and wash skin. May induce an allergic response in susceptible individuals. These skin sensations are reversible and usually subside within 12 hours.  |

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## 4. FIRST AID MEASURES

|                     |   |
|---------------------|---|
| Inhalation:         | Inhalation and over exposure of hydrocarbon solvent vapours may cause dizziness; disturbances in vision such as squinting and drowsiness. Can cause irritation of upper respiratory tract as well as eye, skin and mucous membrane irritation. May cause headaches, irregular and rattling breathing and ataxia. Remove patient to fresh air. If ill effects persist call a doctor. Seek immediate medical attention. |
| Notes to Physician: | None allocated.   |

## 5. FIRE FIGHTING MEASURES

|                               |  |
|-------------------------------|--|
| Specific Hazards:             | Flammable aerosol containing liquefied petroleum gas (LPG).  |
| Suitable Extinguishing Media: | Extinguishing media Water spray foam, dry chemical or Carbon Dioxide.  |
| Fire Fighting Advice:         | <p>Clear fire area of all non-emergency personnel. Follow procedures to avoid static discharges. Use only intrinsically safe communication equipment (e.g. do not use mobile phones and pagers).</p> <p>Use non-spark generating tools and flameproof (intrinsically safe) equipment.</p> <p>Fire fighters should wear a full set of protective clothing, including self-contained breathing apparatus.</p> <p>Toxic fumes may be emitted including but not limited to, Chlorine, Hydrogen Chloride, Oxides of Carbon and Aldehydes.</p> |

## 6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up

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## 6. ACCIDENTAL RELEASE MEASURES

Minor Spills (Up to 10 L):

Eliminate all ignition sources and naked lights. Use non sparking equipment. Wear protective clothing. Clear area of unprotected personnel. Ventilate area.

Major Spills (more than 10 L):

Eliminate all ignition sources and naked lights. Use non sparking equipment. Wear protective clothing. Clear area of unprotected personnel.

Follow procedures to avoid static discharges. Use only intrinsically safe communication equipment (e.g. do not use mobile phones and pagers).

Use non-spark generating tools and flameproof (intrinsically safe) equipment.

Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Pyrethroids are toxic to fish and other aquatic invertebrates. Should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or at an authorised installation.

## 7. HANDLING AND STORAGE

Handling:

Handle only as directed in instructions. Use this product only as directed.

Storage:

Keep out of reach of children. Keep in a cool place out of the sun. Avoid breathing fumes and contact with the skin.

Do not store where food is prepared.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                       |   |
|-----------------------|---|
| Exposure Standards:   | Workplace Exposure Standard for LPG 1,800 mg/m <sup>3</sup> .<br>Tolerable Exposure Limits (TELs), Acceptable Daily Exposures (ADEs), Potential Daily Exposures (PDEs) or Environmental Exposure Limits are not established.  |
| Engineering Controls: | Follow procedures to avoid static discharges. Use only intrinsically safe communication equipment (e.g. do not use mobile phones and pagers).<br>Use non-spark generating tools and flameproof (intrinsically safe) equipment.  |
| Personal Protection:  | Avoid all personal contact. Extreme over-exposure can result in dizziness, unconsciousness, coma and death. Wear approved mask, overalls, boots, gloves, safety goggles and safety glasses when using. Wash protective clothing before storage or reuse. Wash hands after use and before, using tobacco products, or toilet facilities. Always use with adequate ventilation. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                       |  |
|-----------------------|--|
| Appearance and Odour: | Liquefied petroleum gas in aerosol. Clear vapour on release. Faint kerosene odour. |
| Solubility:           | 75 ml/L (propane), 88 mg/L (butane)  |
| Specific Gravity:     | ~ 0.5  |
| Boiling Point:        | -42°C (propane), 0°C (butane)  |
| Freezing Point:       | None allocated   |
| Melting Point:        | None allocated   |
| Vapour Pressure:      | 593 kPa (LPG)  |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                                  |
|---------------------------------|----------------------------------|
| Coefficient of Cubic Expansion: | None allocated                   |
| Relative Vapour Density:        | None allocated                   |
| Decomposition Point:            | None allocated                   |
| Viscosity:                      | None allocated                   |
| Flash Point:                    | -105°C (propane), -60°C (butane) |
| Electrostatic Generation:       | None allocated                   |
| Auto-ignition Temperature:      | 468°C (propane), 430°C (butane)  |
| % Volatile by Volume:           | None allocated                   |
| Flammable Limits:               | 2-10%                            |
| pH Value:                       | None allocated                   |
| Evaporation Rate:               | None allocated                   |
| Explosion Hazard:               | None allocated                   |
| Formula:                        | Mixture                          |
| Molecular Weight:               | None allocated                   |
| Chemical Family:                | None allocated                   |
| Other:                          | None allocated                   |
| Oxidising Agents:               | None allocated                   |
| Acids:                          | None allocated                   |
| Alkalis:                        | None allocated                   |
| Salt or Freshwater:             | None allocated                   |
| Exposure Standards (TLV-TW):    | None allocated                   |
| Engineering Controls:           | None allocated                   |

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## 10. STABILITY AND REACTIVITY

|                        |   |
|------------------------|---|
| Stability:             | Stable under normal ambient conditions of storage and use. Avoid heat sources.      |
| Incompatibility:       | Can react violently with oxidising agents – Chlorine, pool chlorine or nitric acid. |
| Corrosive Properties:  | None allocated  |
| Thermal Decomposition: | None allocated  |

## 11. TOXICOLOGICAL INFORMATION

General:

Acute Effects

|                    |  |
|--------------------|--|
| Ingestion:         | Due to high volatility of product, this is not likely to occur.  |
| Eye Contact:       | Liquid will cause severe damage. Vapour will cause irritation.   |
| Skin Contact:      | Vaporising liquid or liquid contact can result in cold burns.  |
| Inhalation:        | May cause light-headedness, dizziness and drowsiness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation (refers to vapour not liquid). |
| Long Term Effects: | None known.  |
| Acute Toxicity:    | LD50 oral rat – 1479-4672 mg/kg (permethrin)<br>LD50 dermal rat - >2000 mg/kg (permethrin)   |
| Chronic Toxicity:  | Rats involved in a 2-year feeding study were given 100 mg/kg permethrin in their diet. These rats showed no signs of toxicity.                                       |

## 12. ECOTOXICITY INFORMATION

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## 12. ECOTOXICITY INFORMATION

Environmental Effects: Acute oral LD50 Mallard duck female >5,000 mg/kg  
LC50 Rainbow trout (96 hours) 0.62 µg/L  
Contains Pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, national regulations.

## 13. DISPOSAL CONSIDERATIONS

Product Disposal: Contact an LPG disposal company if disposal of LPG is required.  
Container Disposal: Do NOT incinerate LPG aerosols.

## 14. TRANSPORT INFORMATION

### Road and Rail

UN Number: UN1950  
Dangerous Goods Class: 2.1.2 Flammable aerosol  
Hazchem Code: 2YE  
Packaging Group: None required  
Proper Shipping Name: Aerosols flammable  
Segregation: The Segregation Groups have been reproduced in NZS 5433:2007

### Marine

UN Number: UN1950  
Class: 2.1.2  
Packaging Group: Not required

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## 14. TRANSPORT INFORMATION

Proper Shipping Name: Aerosols flammable

### Air Transport

UN Number: UN1950

Class: 2.1.2

Packaging Group: Not required

Proper Shipping Name: Aerosols flammable

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR100742

HSNO Classifications: 2.12A (flammable aerosol), 6.5A (respiratory sensitizer), 6.5B (dermal sensitizer), 6.9B (harmful to human target organs or systems), 9.1A (very toxic to aquatic life), 9.4A (very toxic to terrestrial invertebrates).

HSNO Controls: See EPA website.

HSNO Approved codes of Practice: See EPA website.

## 16. OTHER INFORMATION

|                      |                            |
|----------------------|----------------------------|
| Emergency Contact    | 24 Hours                   |
| Work Hours           | National Poisons Centre    |
| Kiwicare Corporation | PO Box 913                 |
| 225 Maces Road       | Dunedin                    |
| PO Box 15050         | Tel: 0800 764 766 (POISON) |
| Christchurch         |                            |
| Tel: (03) 389 0778   |                            |
| Fax: (03) 389 0669   |                            |

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## 16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than three years before and update is obtained.

For further information visit the Kiwicare web site, [www.kiwicare.co.nz](http://www.kiwicare.co.nz) , or contact the supplier.

The information in this document should be made available to all who may handle the product

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