

SAFETY DATA SHEET

Product Name: NO Bed Bugs Total Protection RTU



Issue Date: 19/06/2018

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1. PRODUCT AND COMPANY INFORMATION

| | |
|----------------------------|--|
| Product Name: | NO Bed Bugs Total Protection RTU |
| Relevant identified uses: | Ready to use insecticide containing 0.4% Permethrin and 0.01% Pyriproxyfen |
| Molecular Formula: | Mixture |
| Supplier: | Kiwicare Corporation Limited |
| Street Address: | 225 Maces Road, Bromley, Christchurch, 8062 New Zealand |
| Postal Address: | P.O Box 15050, Aranui, Christchurch, 8643 New Zealand |
| Telephone | +64 3 389 0778 |
| Email: | info@kiwicare.co.nz |
| Website: | www.kiwicare.co.nz |
| Emergency Contact Numbers: | 0800 764 766 (0800 POISON) |
| National Poisons Centre: | 0800 764 766 (0800 POISON) |

2. HAZARDS IDENTIFICATION

| HSNO Hazard Classification | Transport of Dangerous Goods Pictogram | GHS Pictogram | Signal word | Hazard statement code | Precautionary statement codes | | | |
|----------------------------|--|---|-------------|-----------------------|---|-------------|-----------------------|----------|
| | | | | | Prevention | Response | Storage | Disposal |
| 6.9B (Single exposure) | Not applicable for the UN RTDG Model Regulations |  | Warning | H371 | P103 ^b P260 P264 P270 | P309 + P311 | P405 | P501 |
| 6.9B (Repeated exposure) | Not applicable for the UN RTDG Model Regulations |  | Warning | H373 | P103 ^b P260 | P314 | No storage statements | P501 |




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| | | | | | | | | |
|------|---|---|----------------|------------------------|---------------------------|------|-----------------------|------|
| 9.1A |  |  | Warning | H400/H410 ^m | P103 ^b P273 | P391 | No storage statements | P501 |
| 9.4B | Not applicable for the UN RTDG Model Regulations |  | No Signal Word | H442 | P103 ^b P273 | P391 | No storage statements | P501 |

Dangerous Goods:

Class 9, signal word = warning

Packaging Group:

III

Hazardous Substance (HSNO) Codes:

6.9B Harmful to human target organs (oral & inhalation; single & repeated exposure)

9.1A (Very ecotoxic to the aquatic environment)

9.4B (Ecotoxic to terrestrial invertebrate)

Hazard Statements:

H371: May cause damage to organs.

H373: May cause damage to organs through prolonged or repeated exposure.

H400 / H410: Very toxic to aquatic life / Very toxic to aquatic life with long lasting effects.

H442: Toxic to terrestrial invertebrate.

Precautionary Statements:

P103: Read label before use.

P260: Do not breathe vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink when using this product.

P273: Avoid release to the environment.

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P405: Store locked up.

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P501: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: To control bed bugs

Appearance: Low viscosity white fluid

Ingredients

| Ingredients | CAS # | Content % |
|-------------------|------------|--------------|
| Permethrin | 52645-53-1 | ~0.4 % w/w |
| Pyriproxyfen | 95737-68-1 | ~0.01 % w/w |
| Other ingredients | N/A | To 100 % w/w |
| | | |

4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: No acute oral toxicity, if in mouth, rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

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4. FIRST AID MEASURES

| | |
|-----------------------------|--|
| Eye Contact: | Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation persists seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand. |
| Skin Contact: | Unlikely to cause skin irritation. Potentially cause paraesthesia, avoid skin contact. If on skin, rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice. |
| Inhalation: | If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard as the product is a stable liquid. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand. |
| Advice for Medical Doctors: | Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766. |

5. FIRE FIGHTING MEASURES

| | |
|-------------------------------|--|
| Specific Hazards: | Clear fire area of all non-emergency personnel. |
| Suitable Extinguishing Media: | Water spray, foam, CO2, dry chemical or any class B extinguishing agent. |
| Fire Fighting Advice: | Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later. |

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6. ACCIDENTAL RELEASE MEASURES

| | |
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| Environmental precautions: | Prevent leakage or spillage if safe to do so. |
| Minor Spills (Up to 20 L): | Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. |
| Major Spills (more than 20 L): | Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation. |

7. HANDLING AND STORAGE

| | |
|--|---|
| Precautions for safe handling: | Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or spray. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use. |
| Conditions for safe Storage including incompatibilities: | Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage. |
| Protection against fire and explosion: | Keep away from heat sources even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents. |

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------------------------|---|
| Exposure Standards: | See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th edition) |
| Engineering Controls: | General ventilation. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. |
| Hand protection: | Suitable chemical resistant gloves are recommended for applicants. |
| Eye protection: | Wear safety glasses or full face shield if splashes are likely to occur. |
| Body protection: | Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves. |
| General safety and hygiene measures: | Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately. |
| Environmental Exposure Controls: | Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation. |

| T | Substance | CAS # | TWA | | STEL | |
|---|-----------------|------------|-----|-------------------|------|-------------------|
| | | | ppm | mg/m ³ | ppm | mg/m ³ |
| | Triethanolamine | [102-71-6] | | 5 | | |

Additional New Zealand EPA controls:

| Code | Section of the Act | Control |
|--------------------|--------------------|--|
| Water | 77A | This substance must not be applied into or onto water |
| Application Method | | This substance must be applied using ground-based methods only |

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|----------------------------------|
| Appearance and Odour: | Low viscosity white fluid |
| Solubility: | Soluble |
| Specific Gravity: | ~ 1.00 |
| Boiling Point: | ~ 100 °C |
| Viscosity: | 450 – 1100 CPS (LVT #2 spindle) |
| Flash Point: | > 93 °C |
| pH Value: | 5.5 – 6.3 |
| Formula: | Mixture |
| Chemical Family: | Pyrethroid + Pyridine derivative |
| Other: | None allocated |
| Oxidising Agents: | Not an oxidant |
| Exposure Standards (TLV-TW): | Refer to section 8 |
| Engineering Controls: | Refer to section 8 |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability & Chemical reactivity: | Stable under normal conditions of use. Not explosive or oxidising. |
| Incompatibility or conditions to be avoided: | Avoid strong oxidising agents. Avoid heat, sparks and open flame. |
| Corrosive Properties: | None corrosive. |
| Thermal Decomposition: | The formation of toxic/irritant gases/vapours may occur if heated. |

11. TOXICOLOGICAL INFORMATION

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11. TOXICOLOGICAL INFORMATION

The relevant hazard classes on ingredients:

Permethrin (52645-53-1): 6.1C (oral); 6.3B; 6.4A; 6.9B (oral & inhalation); 9.1A; 9.3B; 9.4A.

Pyriproxyfen (95737-68-1): 9.1A; 9.4A.

For the substance (final product):

| | |
|------------------------------------|--|
| Skin corrosion/irritation: | Should not cause irritation. |
| Serious eye damage/eye irritation: | It is unlikely to cause eye damage or irritation. |
| Respiratory or skin sensitization: | Unlikely to cause an allergic skin reaction. |
| Germ cell mutagenicity: | Not mutagenic. |
| Carcinogenicity: | Not carcinogenic. |
| Reproductivity: | Not reproductive. |
| Acute Toxicity: | Acute oral LD ₅₀ > 5000 mg/kg (calculated) |
| Chronic Toxicity: | May cause damage to organs through prolonged or repeated exposure. |

12. ECOTOXICITY INFORMATION

Ecological information of substance: HSNO 9.1A or GHS H400/410; Very ecotoxic in the aquatic environment. HSNO 9.4B or GHS H442. LC₅₀ < 1 ppm and 2 ≤ LD₅₀ < 11 µg / invertebrate

Rapid degrade and Bioaccumulative: Both active ingredients are bioaccumulative.

Soil toxicity: Unlikely to result soil toxicity.

The substance triggers HSNO class 9.1A, and 9.4B classifications. In addition, as the product label indicated that this product is not allowed or washings to enter the waterways or sewer and other appropriate environmental controls. Therefore it is unlikely to cause any environmental risk.

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13. DISPOSAL CONSIDERATIONS

| | |
|-----------------------------------|--|
| Waste treatment – recommendation: | In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. |
| Container Disposal: | Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations. |

14. TRANSPORT INFORMATION

Road, Rail, Marine and Air

| | |
|------------------------|---|
| UN Number: | 3082 |
| Dangerous Goods Class: | 9 |
| Hazchem Code: | 3Z |
| Packaging Group: | III |
| Proper Shipping Name: | Environmentally hazardous substance, liquid N.O.S. – Permethrin, Pyriproxyfen. |
| Segregation: | None allocated |

15. N.Z. REGULATORY INFORMATION

| | |
|-----------------------|--|
| EPA HSNO Number: | HSR101156 |
| HSNO Classifications: | 6.9B Harmful to human target organs (oral & inhalation; single & repeated exposure) 9.1A Very ecotoxic in the aquatic environment 9.4B Ecotoxic to terrestrial invertebrates |
| HSNO Controls: | Refer to HSR101156 |

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15. N.Z. REGULATORY INFORMATION

HSNO Approved codes of Practice: Refer to HSR101156

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

16. OTHER INFORMATION

| | |
|--------------------------|----------------------------|
| SDS date of preparation: | 19 / 09 / 2017 |
| SDS date of revision: | 19 / 09 / 2022 |
| 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 five years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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