

SAFETY DATA SHEET

Product Name: NO Bugs Super RTU

Issue Date: 19/06/2018

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1. PRODUCT AND COMPANY INFORMATION

| | |
|----------------------------|--|
| Product Name: | NO Bugs Super RTU |
| 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

| | |
|-----------------------------------|--|
| Dangerous Goods: | Class 9; Signal word = Warning |
| Packaging Group: | III |
| Hazardous Substance (HSNO) Codes: | 9.1A Very ecotoxic in the aquatic environment 9.4B Ecotoxic to terrestrial invertebrates |
| Hazard Statement: | H400 / 410: Very toxic to aquatic life with long lasting effects. H442: Toxic to terrestrial invertebrates. |
| Precautionary statement: | P101: If medical advice is needed, have pro duct container or label at hand P102: Keep out of reach of children. P103: Read label before use. |

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2. HAZARDS IDENTIFICATION

P273: Avoid release to the environment.

P391: Collect spillage.

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.

| HSNO Hazard Classification | Transport of Dangerous Goods Pictogram | GHS Pictogram | Signal word | Hazard statement code | Precautionary statement codes | | | |
|----------------------------|--|---|----------------|------------------------|-------------------------------|----------|-----------------------|----------|
| | | | | | Prevention | Response | Storage | Disposal |
| 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 |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: To control bugs

Appearance: Whitish slight viscous liquid

Ingredients

| Ingredients | CAS # | Content % w/w or w/v |
|-------------------|--------------|----------------------|
| Deltamethrin | 52918-63-5 | ~0.06 % w/w |
| Triethanolamine | 102-71-6 | ~0.03 % w/w |
| Other ingredients | Mixture: N/A | To 100 % w/w |

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4. FIRST AID MEASURES

| | |
|---------------------|---|
| Ingestion: | If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. 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: | Unlikely to be irritant to eyes. If in eyes, flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice. |
| Skin Contact: | Unlikely to cause skin irritancy. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice. |
| Inhalation: | Unlikely to cause toxicity via this route since the substance is a stable liquid. If ill effects persist call a doctor. Seek immediate medical attention. |
| Notes to Physician: | None allocated. |

5. FIRE FIGHTING MEASURES

| | |
|-------------------------------|--|
| Specific Hazards: | Clear fire area of all non-emergency personnel. |
| Suitable Extinguishing Media: | Water spray, foam, CO ₂ , dry chemical extinguishing agent. |
| Fire Fighting Advice: | For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document. |

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6. ACCIDENTAL RELEASE MEASURES

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

Additional controls as set under s77A

| Code | Regulation | Description |
|------|------------|---|
| | | The substance must not be applied onto or into water. ¹⁰ |

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| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
|-------------------------------------|---|
| Appearance and Odour: | Whitish slight viscous liquid |
| Solubility: | Soluble in water. |
| Specific Gravity: | 0.975 – 1.010 Kg/L |
| Viscosity: | 450 – 1200 cps (#2 spindle, 12RPM at 20 °C) |
| Flash Point: | >93 °C |
| pH Value: | 5.0 – 6.3 |
| 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 oxidative. |
| Incompatibility or conditions to be avoid: | Avoid strong oxidising agents. Avoid heat, sparks and open flame. |
| Corrosive Properties: | Not corrosive. |
| Thermal Decomposition: | The formation of toxic/irritant gases/vapours may occur if heated. |

11. TOXICOLOGICAL INFORMATION

The relevant hazard classes on ingredients:

Deltamethrin (52918-63-5): 6.1B (o); 6.1C (d, i); 6.3B; 6.4A; 6.9A (o); 6.9B (i); 9.1A; 9.2C; 9.3A; 9.4A.

For the substance (final product):

Skin corrosion/irritation: Not a skin irritant.

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11. TOXICOLOGICAL INFORMATION

| | |
|------------------------------------|---|
| Serious eye damage/eye irritation: | Not an eye irritant. |
| Respiratory or skin sensitization: | Not a sensitizer. |
| Germ cell mutagenicity: | Not mutagenic. |
| Carcinogenicity: | Not carcinogenic. |
| Reproductivity: | Not reproductive. |
| Acute Toxicity: | LD ₅₀ > 5000 mg/kg (rat) |
| Chronic Toxicity: | Unlikely to cause any chronic toxicity. |

12. ECOTOXICITY INFORMATION

| | |
|--------------------------------------|---|
| Ecological information of substance: | HSNO 9.1A or GHS H400/410; Very ecotoxic in the aquatic environment. L(E)C ₅₀ ≤ 1 ppm. HSNO 9.4B or GHS H442. Ecotoxic to terrestrial invertebrates. 2 < LD ₅₀ ≤ 11 µg/terrestrial invertebrate |
| Rapid degrade & Bioaccumulative: | Deltamethrin is potentially bioaccumulative and not rapid degradable. |
| Soil toxicity: | No soil toxicity. |
| Deltamethrin (52918-63-5): | 9.1A; 9.2C; 9.3A; 9.4A. |

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.

13. DISPOSAL CONSIDERATIONS

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13. DISPOSAL CONSIDERATIONS

| | |
|-----------------------------------|---|
| Waste treatment – recommendation: | In the case of a substance that is in compliance with 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. - Deltamethrin |
| Segregation: | Not allocated |

15. N.Z. REGULATORY INFORMATION

| | |
|----------------------------------|---|
| EPA HSNO Number: | HSR100765 |
| HSNO Classifications: | 9.1A Very ecotoxic in the aquatic environment 9.4B Ecotoxic to terrestrial invertebrates |
| HSNO Controls: | Refer to HSR100765 |
| HSNO Approved codes of Practice: | Refer to HSR100765 |

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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: | 28 / 09 / 2017 |
| SDS date of revision: | 28 / 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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1. PRODUCT AND COMPANY INFORMATION

| | |
|---------------------------|---|
| Product Name: | NO Bugs Super Bug Bomb |
| 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 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 | |
| National Poisons Centre: | 0800 764 766 (0800 POISON) |

2. HAZARDS IDENTIFICATION

| | |
|-----------------------------------|---|
| Dangerous Goods: | Class 2 Flammable aerosol |
| Packaging Group: | III, signal word = Danger |
| Hazardous Substance (HSNO) Codes: | 2.1.2A, 6.5A, 6.5B, 6.9B, 9.1A, 9.4A |
| Hazard Statements: | H223: Flammable aerosol. H334: May cause allergy if inhaled. H317: May cause an allergic skin reaction. H373: May cause damage to organs. H400/410: Very toxic to aquatic life. H441: Very toxic to terrestrial invertebrates. |

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2. HAZARDS IDENTIFICATION

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P210: Keep away from heat.

P211: Do not spray on an open flame

P251: Pressurized container: Do not burn after use

P260: Do not breathe spray.

P261: Avoid breathing spray.

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

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear full PPEs.

P285: In case of inadequate ventilation wear respiratory protection.

P273: Avoid release to the environment.

P314: Get medical advice if you feel unwell.

P321: Specific treatment: see label.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.

P342+311: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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.









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| HSNO Hazard Classification | Transport of Dangerous Goods Pictogram | GHS Pictogram | Signal word | Hazard statement code | Precautionary statement codes | | | |
|----------------------------|---|---|-------------|------------------------|---|--|-----------------------|------------------------|
| | | | | | Prevention | Response | Storage | Disposal |
| 2.1.2A ¹ |  |  | Warning | H223 | P103 ^b P210 P211 P251 | No response statements | P410 + P412 | No disposal statements |
| 6.5A | Not applicable for the UN RTDG Model Regulations |  | Danger | H334 | P103 ^b P261 P285 | P304 + P341 P342 + P311 | No storage statements | P501 |
| 6.5B | Not applicable for the UN RTDG Model Regulations |  | Warning | H317 | P103 ^b P261 P272 P280 | P302 + P352 P333 + P313 P321 P363 | No storage statements | P501 |
| 6.9B (Repeated exposure) | Not applicable for the UN RTDG Model Regulations |  | Warning | H373 | P103 ^b P260 | P314 | No storage statements | P501 |
| 9.1A |  |  | Warning | H400/H410 ^m | P103 ^b P273 | P391 | No storage statements | P501 |
| 9.4A | Not applicable for the UN RTDG Model Regulations |  | Warning | H441 | P103 ^b P273 | P391 | No storage statements | P501 |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Household insecticide

Appearance: Vapour

Ingredients

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3. COMPOSITION/INFORMATION ON 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 is unlikely to 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: | Unlikely to cause irritation. If 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 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): | <p>Eliminate all ignition sources and naked lights. Use non sparking equipment. Wear protective clothing. Clear area of unprotected personnel.</p> <p>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>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.</p> <p>Collect in an appropriate sealable container for disposal in an approved landfill or at an authorised installation.</p> |

7. HANDLING AND STORAGE

| | |
|-----------|---|
| Handling: | Handle only as directed in instructions. Use this product only as directed. |
| Storage: | <p>Keep out of reach of children. Keep in a cool place out of the sun. Avoid breathing fumes and contact with the skin.</p> <p>Do not store where food is prepared.</p> |

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------------------------|---|
| Exposure Standards: | Workplace Exposure Standard for LPG 1,800 See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th edition) |
| Engineering Controls: | 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. |

| L Substance | CAS # | TWA | | STEL | |
|-------------------------------|--------------|-------|-------------------|------|-------------------|
| | | ppm | mg/m ³ | ppm | mg/m ³ |
| LPG (Liquefied petroleum gas) | [68476-85-7] | 1,000 | 1,800 | | |

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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) |
| Vapour Pressure: | 593 kPa (LPG) |
| Flash Point: | -105°C (propane), -60°C (butane) |
| Auto-ignition Temperature: | 468°C (propane), 430°C (butane) |
| Flammable Limits: | 2-10% |
| Formula: | Mixture |
| Oxidising Agents: | Not an oxidant |
| Exposure Standards (TLV-TW): | See section 8 |
| Engineering Controls: | See section 8 |

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: | Not corrosive |
| Thermal Decomposition: | None allocated |

11. TOXICOLOGICAL INFORMATION

General:

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11. TOXICOLOGICAL INFORMATION

| | |
|--------------------|--|
| Acute Effects | Oral LD ₅₀ > 5000 ppm |
| Ingestion: | Due to high volatility of product, this is not likely to occur. |
| Eye Contact: | Liquid / Vapour is unlikely but may 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, due to asphyxiation (refers to vapour not liquid). |
| Long Term Effects: | May be harmful to human target organs. |
| Acute Toxicity: | LD50 oral rat – 1479-4672 mg/kg (permethrin) 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

| | |
|------------------------|---|
| Environmental Effects: | Substance LC ₅₀ < 1 mg/L Contains Pyrethroids which are toxic to fish and other aquatic invertebrates. Avoid contaminating waterways and fishponds. Do not allow spray to drift onto aquatic environments. Keep children, pets, terrestrial vertebrates and any non-target terrestrial invertebrates like bees off treated areas. Contaminated absorbent and wash water should be disposed of according to local, national regulations. |
|------------------------|---|

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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: | 2.1.2A Flammable aerosol |
| Hazchem Code: | 2YE |
| Packaging Group: | III |
| Proper Shipping Name: | Aerosols flammable |
| Segregation: | The Segregation Groups have been reproduced in NZS 5433:2007 |

Marine

| | |
|-----------------------|--------------------|
| UN Number: | UN1950 |
| Class: | 2.1.2A |
| Packaging Group: | III |
| Proper Shipping Name: | Aerosols flammable |

Air Transport

| | |
|-----------------------|--------------------|
| UN Number: | UN1950 |
| Class: | 2.1.2A |
| Packaging Group: | III |
| Proper Shipping Name: | Aerosols flammable |

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15. N.Z. REGULATORY INFORMATION

| | |
|----------------------------------|---|
| EPA HSNO Number: | HSR100742 |
| HSNO Classifications: | 2.1.2A (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 HSR100742 controls |
| HSNO Approved codes of Practice: | See HSR100742 controls |

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: | 25 / 07 / 2017 |
| SDS date of revision: | 25 / 07 / 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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