

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 1 of 11

## 1. PRODUCT AND COMPANY INFORMATION

|                                   |   |
|-----------------------------------|---|
| <b>Chemical/Product Name:</b>     | <b>No Flies Super Automatic Control System Scented (Refill)</b>                                       |
| Related products:                 | No Flies Super Automatic Control System<br>No Flies Super Automatic Control System Odourless (Refill) |
| Recommended uses:                 | Insecticide Aerosol   |
| Restrictions on Use/Supply:       | No additional restrictions for use  |
| 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  |
| Emergency Contact (Poison Centre) | 0800 764 766  |
| 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>  |

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# SAFETY DATA SHEET



Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 2 of 11

## 2. HAZARDS IDENTIFICATION

| GHS Hazard Classification | Transport of Dangerous Goods Pictogram | GHS Pictogram | Signal word | Hazard statement code | Precautionary statement codes |                        |                       |                        |
|---------------------------|--|---------------|-------------|-----------------------|-------------------------------|------------------------|-----------------------|------------------------|
|                           |  |               |             |                       | Prevention                    | Response               | Storage               | Disposal               |
| Aerosol 1                 |  |               | Danger      | H222<br>H229          | P103<br>P210<br>P211<br>P251  | No response statements | P410+P412             | No disposal statements |
| Aquatic Acute 1           |  |               | Warning     | H400                  | P103<br>P273                  | P391                   | No storage statements | P501                   |
| Aquatic Chronic 1         |  |               | Warning     | H410                  | P103<br>P273                  | P391                   | No storage statements | P501                   |

Signal word:

DANGER

Dangerous Goods:

Dangerous Goods (Class 2)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Flammable Aerosol Cat. 1

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement:

H222: Extremely flammable aerosol

H229: Pressurised container, may burst if heated.

H400: Very toxic to aquatic life.

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

Hazardous to terrestrial vertebrates

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 3 of 11

## 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/sparks/open flames/hot surfaces.

P211: Do not spray on an open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.

P273: Avoid release to the environment.

P391: Collect spillage.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Aerosol vapour

### Ingredients

| Ingredients      | CAS #                | Content %    |
|------------------|----------------------|--------------|
| TRANSFLUTHRIN    | 118712-89-3          | 0.56% w/w    |
| D-PHENOTHRIN     | 188023-86-1          | 0.15% w/w    |
| Hydrocarbons     | 64742-47-8           | 30 – 40% w/w |
| Propane / Butane | 74-98-6 and 106-97-8 | 60 – 70% 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).

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 4 of 11

|                             |  |
|-----------------------------|--|
| Ingestion:                  | Ingestion is unlikely due to product form (gaseous).<br>Get medical advice/attention if you feel unwell.   |
| Eye Contact:                | Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation occurs, seek medical advice, and have the product label at hand. |
| Skin Contact:               | Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If skin irritation or rash occurs seek medical advice.           |
| Inhalation:                 | Beware: deliberately sniffing or inhaling contents can be harmful or fatal.<br><br>If breathing problems develop, seek medical advice, and have product label at hand.     |
| Advice for Medical Doctors: | Treat symptomatically  |

## 5. FIRE FIGHTING MEASURES

|                                   |  |
|-----------------------------------|--|
| HAZCHEM code:                     | 3YE  |
| Specific Hazards:                 | Pressurized container may burst if heated. May give off toxic fumes if heated to decomposition. Do not breathe fumes. Do not spray on ignition sources. Wear self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses.            |
| Suitable Extinguishing Media:     | Appropriate fire extinguishers are dry chemical, CO <sub>2</sub> , Powder, or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions.   |
| Fire Fighting Advice:             | Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). 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. |
| Hazardous Products of Combustion: | Explosive vapour. Oxides of carbon.  |

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 5 of 11

## 6. ACCIDENTAL RELEASE MEASURES

|                                 |   |
|---------------------------------|---|
| Environmental precautions:      | Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames, or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.  |
| Minor Spills (Up to 20 kg):     | Very toxic to aquatic life with long-lasting effects. Aerosol cans are highly unlikely to break. In case of a spill wear protective clothing. Substance will volatilise, collect containers, and disposed to landfill or recycle.   |
| Major Spills (more than 20 kg): | Substance will volatilise, collect containers, and disposed to landfill or recycle.<br><br>Use only non-sparking equipment for cleaning. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.<br><br>Eliminate all ignition sources. No smoking, sparks, flames, or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion or asphyxiation. |

## 7. HANDLING AND STORAGE

|  |   |
|--|---|
| Precautions for safe handling:                           | Read and follow the label.<br><br>The product is extremely flammable. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not manage until all safety precautions have been read and understood.<br><br>Do not reuse or burn empty containers. Do not puncture cans even when empty. |
| Conditions for safe Storage including incompatibilities: | Keep out of the reach of children. Keep away from food, drink, and animal feeding stuffs.<br><br>Keep only in the original container.<br><br>Store below 50°C.  |

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 6 of 11

Keep container tightly closed, in a cool, well-ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight.

Protection against fire and explosion: Keep away from oxidising materials, heat, and flames.  
Do not puncture cans even when empty.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                      |   |
|--------------------------------------|---|
| Exposure Standards:                  | See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure, Edition 13, 2022)   |
| Engineering Controls:                | Provide adequate ventilation. Follow procedures to avoid static discharges. Protect from sunlight and temperatures above 50°C   |
| Hand protection:                     | No specific requirements are anticipated under normal conditions of use. In the event of an incident leading to contact with the liquid contents: Wear protective gloves. |
| Eye protection:                      | Avoid contact with eyes.<br>Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.           |
| Body protection:                     | Skin protection not ordinarily required beyond standard issue work clothes.   |
| Respiratory Protection:              | No specific recommendations. Provide adequate ventilation.<br>Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.                |
| General safety and hygiene measures: | Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse.                                       |
| Environmental Exposure Controls:     | Keep container tightly sealed when not in use. Avoid release to the environment   |

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 7 of 11

## Exposure Standards:

| Substance | Cas #      | TWA |                   | STEL |                   |
|-----------|------------|-----|-------------------|------|-------------------|
|           |            | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Butane    | [106-97-8] | 800 | 1900              |      |                   |
| Propane   | [74-98-6]  |     |                   |      |                   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |  |
|----------------------------|--|
| Appearance:                | Aerosol/ compressed gas                      |
| Odour:                     | Odourless                                    |
| Odour Threshold:           | No data                                      |
| pH Value:                  | Not applicable                               |
| Melting/freezing point:    | No data                                      |
| Boiling point (range):     | No data (Butane: < -0.4°C; Propane: < -42°C) |
| Flash Point:               | 60 °C  |
| Flammability:              | No data                                      |
| Explosive limits:          | No data                                      |
| Vapour pressure:           | 2kg/cm <sup>3</sup>                          |
| Vapour density:            | >1 (heavier than air)                        |
| Relative density:          | ~0.5 @ 15°C                                  |
| Solubility:                | Not applicable                               |
| Partition coefficient:     | Not applicable                               |
| Auto-ignition temperature: | 405°C (butane)                               |
| Decomposition temperature: | No data                                      |
| Viscosity:                 | Not applicable                               |

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 8 of 11

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| Stability & Chemical reactivity:             | There are no known reactivity hazards associated with this product.<br><br>Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.       |
| Incompatibility or conditions to be avoided: | The following materials may react strongly with the product: Oxidising agents.   |
| Corrosive Properties:                        | Avoid heat, flames, and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up.  |
| Thermal Decomposition:                       | Does not decompose when used and stored as recommended. Combustion products may include the following substances: Harmful gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). |

## 11. TOXICOLOGICAL INFORMATION

|                                    |  |
|------------------------------------|--|
| Hazard Class:                      | Not toxic to mammals   |
| Acute Toxicity:                    | Not applicable   |
| Aspiration hazard:                 | Not applicable   |
| Skin corrosion/irritation:         | Unlikely to cause skin corrosion. Vaporising liquid or liquid contact can result in cold burns.  |
| Serious eye damage/irritation:     | Not irritating. Contact with liquid form may cause frostbite.  |
| Respiratory or skin sensitisation: | No specific symptoms known. In the event of an incident leading to contact with the liquid contents: Contact with liquid form may cause frostbite.             |
| Germ cell mutagenicity:            | No data available  |
| Carcinogenicity:                   | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. |
| Reproductive toxicity:             | This product is not expected to cause reproductive or developmental effects.   |

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# SAFETY DATA SHEET

**KIWICARE<sup>®</sup>**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 9 of 11

|  |   |
|--|---|
| Specific organ toxicity – single exposure:   | Not applicable  |
| Specific organ toxicity – repeated exposure: | Not applicable  |
| Narcotic effects:                            | Deliberate inhalation of concentrated product may cause loss of consciousness and asphyxiation. |

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOTOXICITY INFORMATION

|                                      |   |
|--------------------------------------|---|
| Ecological information of substance: | Very toxic to aquatic life with long-term and short-term effects. Do not contaminate waterways, sewers, or drains when using product or packaging.<br>Transfluthrin<br>Rainbow trout, LC <sub>50</sub> (96 hr) 0.71 ug/L<br>Water flea, EC50 (48 hr) 1.7 ug/L<br>d-Phenothrin<br>Rainbow trout, LC <sub>50</sub> (96 hr) >0.016 mg/L<br>Water flea, EC50 (48 hr) 4.3 ug/L |
| Bioaccumulation:                     | No data   |
| Soil Toxicity:                       | Transfluthrin:<br>Earthworms – acute 14-day LC50 = 184 mg/kg<br>d-Phenothrin:<br>No data  |

## 13. DISPOSAL CONSIDERATIONS

|                                   |  |
|-----------------------------------|--|
| Waste treatment – recommendation: | The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. |
|-----------------------------------|--|

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 10 of 11

|                              |  |
|------------------------------|--|
| Container Disposal:          | Empty containers that may or may not contain any residual substance should be disposed of to a public or commercial waste collection service.<br><br>Do not puncture or incinerate, even when empty. |
| Methods of disposal to avoid | Dispose of waste to licensed waste disposal site in accordance with the requirements of the Hazardous Substances (Disposal) Notice 2017 or local authority rules.                                    |

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

|                        |   |
|------------------------|---|
| UN Number:             | 1950  |
| Dangerous Goods Class: | 2.1 Flammable aerosol.<br><br>Marine pollutant  |
| Hazchem Code:          | 3YE   |
| Packaging Group:       | III   |
| Proper Shipping Name:  | Aerosols flammable, N.O.S.  |
| Segregation:           | For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section. |

## 15. N.Z. REGULATORY INFORMATION

|                      |  |
|----------------------|--|
| EPA HSNO Number:     | HSR101274  |
| GHS Classifications: | Aerosol 1; Aquatic Acute 1; Aquatic Chronic 1  |
| HSNO Controls:       | Refer to HSR101274.<br><br>Stores containing more than 100Kg needs signage, secondary containment, and emergency response plans. |
| Additional Controls: | HSR101274  |

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: *No Flies Super Automatic Control System Scented*

Print/View Date: 29/08/2023

Page 11 of 11

## 16. OTHER INFORMATION

SDS date of preparation: 29 / 08 / 2023

SDS date of revision: 29 / 08 / 2028

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](http://www.kiwicare.co.nz), or contact the supplier of the starting material.

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  |
| EC:       | European Commission   |
| EU:       | European Union  |
| GHS:      | Global Harmonized System  |
| H Phrase: | Hazard Phrase   |
| HSNO:     | Hazardous Substances and New Organisms (1996) Act                                   |
| IATA:     | International Air Transport Association   |
| ICAO:     | International Civil Aviation Organisation   |
| IMDG:     | International Maritime Dangerous Goods  |
| P Phrase: | Precautionary Phrase  |
| RID:      | Regulations concerning the international carriage of Dangerous good by rail         |
| STEL:     | Short-Term Exposure Limit   |
| TLV:      | Threshold Limit Value   |
| TWA:      | Time Weighted Average   |

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