1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	**No Flies Super Automatic Control System**
Related products:	No Flies Super Automatic Control System Odourless (Refill) No Flies Super Automatic Control System Scented (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:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz

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 H229	P103 P210 P211 P251	No response statements	P410+P412	No disposal statements
Aquatic Acute 1			Warning	H400	P103 P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 P273	P391	No storage statements	P501

Signal word: DANGER

Dangerous Goods: Dangerous Goods (Class 2)

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

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).

Ingestion: Ingestion is unlikely due to product form (gaseous). 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. 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:	2YE
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_2, 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.

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. 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. 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. 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. 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. Keep only in the original container. Store below 50°C. 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. 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. 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

Exposure Standards:

		TWA		STEL	
Substance	**Cas #**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
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/cm³
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

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	There are no known reactivity hazards associated with this product. Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Incompatibility or conditions to be avoid:	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_2).

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.

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. Transfluthrin Rainbow trout, LC_{50} (96 hr) 0.71 ug/L Water flea, EC50 (48 hr) 1.7 ug/L d-Phenothrin Rainbow trout, LC_{50} (96 hr) >0.016 mg/L Water flea, EC50 (48 hr) 4.3 ug/L
Bioaccumulation:	No data
Soil Toxicity:	Transfluthrin: Earthworms – acute 14-day LC50 = 184 mg/kg d-Phenothrin: 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.

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. 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. Marine pollutant
Hazchem Code:	2YE
Packaging Group:	NA
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. Stores containing more than 100Kg needs signage, secondary containment, and emergency response plans.
Additional Controls:	HSR101274

16. OTHER INFORMATION

SDS date of preparation:	18 / 12 / 2025
SDS date of revision:	18 / 12 / 2030

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 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