

SAFETY DATA SHEET

KIWICARE®

Product Name: *No Bugs Super Bug Bomb*

Print/View Date: 20/09/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	No Bugs Super Bug Bomb
Recommended uses:	Insecticide (Aerosol)
Restrictions on Use/Supply:	None
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)

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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
Resp. Sens.1	Not applicable for the UN RTDG Model Regulations		Danger	H334	P103 P261 P285	P304+P341 P342+P311	No storage statements	P501
Skin Sens.1	Not applicable for the UN RTDG Model Regulations		Warning	H317	P103 P261 P272 P280	P302+P352 P333+P313 P321 P363	No storage statements	P501
STOT Rep. Exp. 2	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
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)

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Flammable Aerosol Cat. 1

Respiratory Sensitisation Cat.1

Skin Sensitisation Cat.1

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Specific Target Organ Toxicity – Repeated Exposure
Cat. 2

Aquatic Acute 1

Aquatic Chronic 1

Pictograms:



Hazard Statement:

H222: Extremely flammable aerosol,

H229: Pressurised container: May burst if heated.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

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

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. No smoking.

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

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

P260: Do not breathe fume or vapours.

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

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P285: In case of inadequate ventilation wear respiratory protection.

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

P321: For specific treatment refer to the first aid section on this label.

P363: Wash contaminated clothing before use.

P391: Collect spillage

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+P341: IF INHALED: If breathing is difficult, remove 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+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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: *Colourless Vapours*

Ingredients

Ingredients	CAS #	Content %
Liquified petroleum gas	68476-85-7	~80-90%
Permethrin	52645-53-1	~8-10%
Pyriproxyfen	95737-68-1	~4-6%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

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4. FIRST AID MEASURES

General information:	In case of an accident, or if you feel unwell, seek immediate medical advice, or call a POISON CENTER (show the label where possible).
Ingestion:	Drink one or two glasses of milk or water. If you are feeling unwell, seek medical advice and have the product label at hand.
Eye Contact:	Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation develops, seek medical advice, and have product label at hand.
Skin Contact:	May cause skin irritation. Wash with plenty of soap and water. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
Inhalation:	May cause allergy or asthma symptoms or breathing difficulties. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If breathing problems persists, 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

5. FIRE FIGHTING MEASURES

HAZCHEM code:	2ZE
Specific Hazards:	Flammable aerosol containing liquified petroleum gas.
Suitable Extinguishing Media:	Appropriate fire extinguishers are CO ₂ , Extinguishing powder, Foam or Fog sprays. 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

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control water or other extinguishing agent and spillage safely later.

Hazardous Products of Combustion: Emits CO₂, toxic fumes of hydrogen chloride and nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

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. Vapours may form explosive mixtures with air. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames, or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.

Environmental precautions:

Although the product is every toxic to aquatic life, exposure to aquatic environment unlikely.

Minor Spills (Up to 20 kg):

Very toxic to aquatic life with long lasting effects. Contain spill and 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 20 kg):

Eliminate all ignition sources if safe to do so. No smoking, sparks, flames, or other sources of ignition near spillage.

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.

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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. Do not breathe vapour or spray. No smoking. Do not handle until all safety precautions have been read and understood. Do not contaminate drains, sewers, or waterways. Do not reuse contaminated clothing before washing. Protect from sunlight and temperatures exceeding 50° 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. Minimum shelf life: 2 years.
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.
Hand protection:	Wear suitable chemical resistant gloves while using this product.
Eye protection:	Wear safety glasses or full-face shield to avoid irritation.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.

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Respiratory Protection: Wear a breathing apparatus or disposable masks to avoid respiratory irritations.

General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes, and clothing. Wash contaminated clothing before reuse.

Environmental Exposure Controls: Keep container tightly sealed when not in use. Avoid release to the environment.

Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
LPG (Liquified petroleum gas)	[68476-85-7]	1000	1800		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear vapour

Odour: Faint kerosene odour

Odour Threshold: Butane: 0.421 – 5,048 ppm
Propane: 1,497 – 19,964 ppm

pH Value: Not applicable

Melting/freezing point: No data

Boiling point (range): Butane: < -0.4°C
Propane: < -42°C

Flash Point: Propane: -105 °C
Butane: -60 °C

Flammability: No data

Explosive limits: No data

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Vapour pressure:	593kPa (LPG)
Vapour density:	>1 (heavier than air)
Relative density:	~0.5 @ 15°C
Solubility:	Not applicable
Partition coefficient:	Not applicable
Auto-ignition temperature:	405°C
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 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 ₂).

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Resp. Sens. 1; Skin Sens. 1; STOT Rep. Exp.1
Acute Toxicity:	Permethrin Acute oral LD ₅₀ > 430 mg/kg (rat).

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	Acute dermal LD ₅₀ = 2000 mg/kg (rat)
	Pyriproxyfen
	Acute oral LD ₅₀ > 5000 mg/kg (rat).
	Acute dermal LD ₅₀ = 2000 mg/kg (rat)
Aspiration hazard	May cause allergy or asthma symptoms or breathing difficulty if inhaled.
Skin corrosion/irritation:	Unlikely to cause skin corrosion.
Serious eye damage/irritation:	Unlikely to cause eye damage or irritation.
Respiratory or skin sensitisation:	May cause allergic skin reaction.
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:	No data available
Specific organ toxicity – repeated exposure:	Blood and the hematopoietic system.
Narcotic effects:	No data available.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated	

12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging.
	Permethrin
	Rainbow trout, LC ₅₀ (96 hr) = 0.0125 mg/L
	Water flea, EC ₅₀ (48 hr) = 0.0006 mg/L
	Pyriproxyfen
	Rainbow trout, LC ₅₀ (96 hr) > 0.27 mg/L

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Water flea, EC50 (48 hr) = 0.4 mg/L

Bioaccumulation: This product is likely to bioaccumulate.

Soil Toxicity: No soil toxicity.

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.

Do not empty down storm water system.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number: 1950

Dangerous Goods Class: 2.1 (Marine Pollutant)

Hazchem Code: 2ZE

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.

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15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR101742
GHS Classifications:	Aerosol 1; Skin Sens. 1; Resp. Sens. 1; STOT rep. Exp. 2; Aquatic Acute 1; Aquatic Chronic 1
HSNO Controls:	Refer to HSR101742
Additional Controls:	Not applicable

16. OTHER INFORMATION

SDS date of preparation: 20 / 09 / 2022

SDS date of revision: 20 / 09 / 2027

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

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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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