

SAFETY DATA SHEET

KIWICARE[®]

Product Name: *Insect Guard Automatic Natural*

Print/View Date: 28/09/2023

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Insect Guard Automatic Natural
Recommended uses:	Insecticide
Restrictions on Use/Supply:	Refer to EPA additional controls
Molecular Formula:	Mixture- Aerosol
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
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
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 P363	No storage statements	P501
STOT RE. 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: Aerosol Cat.1

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Eye Irritant Cat.2

Respiratory Sensitisation Cat.1

Skin Sensitisation Cat.1

Specific Target Organ Toxicity- Repeated Exposure
Cat. 2

Aquatic Acute Cat.1

Aquatic Chronic Cat.1

Pictograms:



Hazard Statement:

H222: Extremely flammable aerosol

H229: Pressurised container, may burst if heated.

H319: Causes serious eye irritation.

P334: 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 invertebrates.

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.

P260: Do not breath vapours.

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P264: Wash contaminated body parts thoroughly after handling.

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.

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.

P363: Wash contaminated clothing before reuse.

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.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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

P337+P313: If eye irritation persists: 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.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Aerosol vapour

Ingredients

Ingredients	CAS #	Content %
Natural pyrethrum	8003-34-7	<1%
Piperonyl Butoxide	51-13-6	<5%
Hydrocarbons	NA (Mixture)	30-40%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

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:	Can cause eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. 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:	May cause an allergic skin reaction. Wash with plenty of soap and water. If skin irritation or rash occurs seek medical advice.
Inhalation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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

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HAZCHEM code:	2ZE
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:	No data for the mixture Pyrethrins emits acrid smoke and irritating fumes.

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. Contain spill and collect using non-combustible absorbent materials.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect using non-combustible absorbent material like diatomaceous earth or vermiculite etc. 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.

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Eliminate all ignition sources if safe to do so. 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 April 2022, Edition 13)
Engineering Controls:	Always work under a well-ventilated space. 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.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.

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Eye protection:	Wear safety goggles or full-face shield.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	No special requirement when used as recommended.
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. Do not eat drink or smoke while using this product. Wash contaminated clothing before reuse.
Environmental Exposure Controls:	Minimise release to the environment.

Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
<i>Pyrethrum</i>	[8003-34-7]		5		
<i>Butane</i>	[106-97-8]	800	1900		
<i>Propane</i>	[74-98-6]	Simple asphyxiant – may present an explosion hazard			

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Active ingredient or component specification	77A	A maximum limit of 100 mg/kg is set for the toxicologically relevant impurity dihydrosafrole (CAS 94-58-6) in synergist (piperonyl butoxide) used to manufacture this substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol vapour
Odour:	None
Odour Threshold:	No data
pH Value:	5.0 - 7.0

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Melting/freezing point:	No data
Boiling point (range):	No data
Flash Point:	No data
Flammability:	No data
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	~0.8 (20°C)
Solubility:	Insoluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

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).

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11. TOXICOLOGICAL INFORMATION

Hazard Class:	Eye Irrit.2, Resp. Sens.1, Skin Sens.1,STOT RE.2
Acute Toxicity:	Pyrethrins Acute oral LD ₅₀ = 2500 mg/kg (mouse).
Aspiration hazard:	May cause irritation on inhalation
Skin corrosion/irritation:	May cause an allergic skin reaction
Serious eye damage/irritation:	May cause serious eye irritation
Respiratory or skin sensitisation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled
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:	Respiratory system, skin, central nervous 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. Rainbow trout, LC ₅₀ (96 hr) 0.068 mg/L Water flea, EC50 (48 hr) 0.025 mg/L
Bioaccumulation:	No data

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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.

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.

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR101271

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GHS Classifications:	Aerosol 1, Eye Irrit. 2, Skin Sens. 1, Resp. Sens. 1, STOT RE.2, Aquatic Acute 1, Aquatic Chronic 1
HSNO Controls:	Refer to HSR101271
Additional Controls:	Stores containing more than 100L require secondary containment, signage, and emergency response plans.

16. OTHER INFORMATION

SDS date of preparation: 28 / 09 / 2023

SDS date of revision: 28 / 09 / 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, 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

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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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Kiwicare Ltd, PO Box 15-050, Christchurch 8643, New Zealand. Ph +64 3 389 0778. www.kiwicare.co.nz.