

SAFETY DATA SHEET

KIWICARE[®]

Product Name: *No Bed Bugs Fumigator*

Print/View Date: 2/05/2023

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	No Bed Bugs Fumigator
Recommended uses:	Insecticide (vapour releasing fumigator)
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
Resp. Sens. 1	Not applicable for the UN RTDG Model Regulations		Danger	H334	P103 P261 P285	P304+P341 P342+P311	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 9)

Packaging Group: III

Hazardous Substance (GHS) Codes: Respiratory Sensitisation Cat.1
Specific Target Organ Toxicity- Repeated Exposure Cat. 2
Aquatic Acute Cat.1
Aquatic Chronic Cat.1

Pictograms:

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

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H373: May cause damage to the nervous systems through repeated or prolonged oral exposure.

H400: Very toxic 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.

P260: Do not breathe vapour/fumes.

P273: Avoid release to the environment.

P285: In case of inadequate ventilation wear respiratory protection.

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

P391: Collect spillage.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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:

Vapour generating powder/granule

Ingredients

Ingredients	CAS #	Content %
Cyphenothrin	39515-40-7	>7%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

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4. FIRST AID MEASURES

General information:	In case of accident, or if you feel unwell, seek medical advice, or call a POISON CENTER (show the label where possible).
Ingestion:	If ingested drink one or two glasses of milk or water. Seek medical advice if feeling unwell. If medical advice is needed have 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:	Unlikely to cause skin irritation. Rinse skin with copious amounts of water and wash with soap and water. If skin irritation occurs, seek medical advice.
Inhalation:	Vapour may cause allergy symptoms if inhaled. If breathing problems develop, remove to fresh air, and keep at rest in a position comfortable for breathing. If symptoms persist, 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:	4Z
Specific Hazards:	Product will release harmful vapours containing Cyphenothrin if substance gets wet. Avoid the use of water. Prevent environmental contamination.
Suitable Extinguishing Media:	Appropriate fire extinguishers are CO ₂ , Powder, or dry 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

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control water or other extinguishing agent and spillage safely later.

Hazardous Products of Combustion: Oxides or carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Very toxic to aquatic life with long- and short-term effects. Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Unlikely to spill from packaging. If spill occurs contain and collect by sweeping and using dry absorbent substances. Do not allow the spilled powder to get wet as this will release vapours.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect using dry absorbent material. Do not allow the spilled powder to get wet as this will release vapours. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. 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 and eye. Avoid inhaling fumes. When handling product in bulk, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways.
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 the product to get wet in storage. Minimum shelf life: 2 years.

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Protection against fire and explosion: Keep away from heat sources although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: No exposure standards apply to this product.

Engineering Controls: No special requirements when used as recommended.

Hand protection: If repeated or prolonged contact wear chemical resistant gloves.

Eye protection: If there is significant potential for contact, wear dust goggles.

Body protection: Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection: In case of inadequate ventilation wear respiratory protection

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.

Environmental Exposure Controls: Minimise release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Vapour generating white to yellow powder

Odour: Mild Odour

Odour Threshold: No data

pH Value: Not applicable

Melting/freezing point: No data

Boiling point (range): No data (Cyphenothrin: 154°C at 0.1mm Hg.)

Flash Point: Not applicable

Flammability: Not applicable

Explosive limits: No data

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Vapour pressure:	No data (Cyphenothrin: 3.11×10^{-6} mm Hg at 30°C)
Vapour density:	No data
Relative density:	No data
Solubility:	Soluble – will release harmful vapours
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Do NOT get wet. Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoided:	May react with strong acids and bases. Releases harmful vapours if wet.
Corrosive Properties:	Not corrosive to metals.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Class:	Resp. Sens. 1; STOT RE 2
Acute Toxicity:	Cyphenothrin Acute oral LD ₅₀ = 318 mg/kg (rat). Acute dermal LD ₅₀ = 5000 mg/kg (rat) Acute Inhalation LC ₅₀ >1.85 mg/l (rat)
Aspiration hazard:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin corrosion/irritation:	Unlikely to cause skin corrosion/irritation.
Serious eye damage/irritation:	Unlikely to cause eye damage/irritation.

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Respiratory or skin sensitisation:	Causes respiratory irritations.
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
Specific organ toxicity – repeated exposure:	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:	Very toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Cyphenothrin Rainbow trout, LC ₅₀ (96 hr) = 0.00034 mg/L Water flea, EC ₅₀ (48 hr) = 0.00043mg/L
Bioaccumulation:	The product does not have the potential to bioaccumulate.
Soil Toxicity:	No data

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.
Container Disposal:	Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations.

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DO NOT reuse containers. Do NOT burn.

Methods of disposal to avoid

Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3077
Dangerous Goods Class:	Class 9
Hazchem Code:	4Z
Packaging Group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Solid, N.O.S.
Segregation:	Food and Feed

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000268
GHS Classifications:	Resp. Sens. 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1
HSNO Controls:	Refer to HSR000268
Additional Controls:	Stores containing >100 kg should have signage, secondary containment, and emergency response plans.

16. OTHER INFORMATION

SDS date of preparation: 01/ 05 / 2023

SDS date of revision: 01 / 05 / 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.

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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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