

SAFETY DATA SHEET

Product Name: NO Bugs Borafume Fumigator

Print/View Date: 9/07/2020

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	NO Bugs Borafume Fumigator
Recommended uses:	Insecticide
Restrictions on Use/Supply	The substance must not be applied onto or into water.
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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Kiwicare Ltd, PO Box 15-050, Christchurch 8643, New Zealand. Ph +64 3 389 0778. www.kiwicare.co.nz.

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2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
6.5A	Not applicable for the UN RTDG Model Regulations		Danger	H334	P103 P261 P285	P304+P341 P342+P311	No storage statements	P501
6.9B (Single exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H371	P103 P260 P264 P270	P309+P311	P405	P501
6.9B (Repeated exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 P260	P314	No storage statements	P501
9.1A			Warning	H400	P103 P273	P391	No storage statements	P501
9.4A	Not applicable for the UN RTDG Model Regulations		No signal word	H421	P103 P273	P391	No storage statements	P501

Signal word:

DANGER

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

Hazardous Substance (HSNO) Codes:

6.5A, 6.9B (Single exposure), 6.9B (Repeated exposure), 9.1A, 9.4A

Pictograms:



Hazard Statement:

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

H371: May cause damage to organs

H373: May cause damage to organs on repeated exposure

H400: Very toxic to aquatic life.

H441: Very toxic to terrestrial invertebrates.

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Precautionary Statements:

P103: Read label before use.

P261: Avoid breathing dust/fume/mist/vapours

P285: In case of inadequate ventilation wear respiratory protection

P264: Wash exposed skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

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.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

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

P391: Collect spillage.

P405: Store locked up.

P501: For the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. In general, dispose the unused product at an approved landfill and dispose the triple rinsed package with domestic rubbish

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance:

Vapour producing solid

Ingredients

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Ingredients	CAS #	Content %
Cyphenothrin	39515-40-7	<10
Inert Binder	9057-05-0	<3
Flavor agent		<1
Azodicarbonamide	123-77-3	>60
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:	If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. IMMEDIATELY obtain medical advice.
Eye Contact:	May cause eye irritancy. Rinse opened eye for several minutes under running water. Remove contacts if possible and 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:	Mild skin irritant. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice.
Inhalation:	Can cause irritation of upper respiratory tract. If breathing problems develop, 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

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5. FIRE FIGHTING MEASURES

HAZCHEM code:	2YE
Specific Hazards:	Clear fire area of all non-emergency personnel
Suitable Extinguishing Media:	Water spray, foam, CO2, dry chemical or any class B extinguishing agent.
Fire Fighting Advice:	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. 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:	Nitrogen oxides (NO _x), Carbon monoxide (CO) and Carbon dioxide (CO ₂). Decomposes on contact with water to form insecticidal smoke.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Clear area of unprotected personnel. Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	May react with wet floor. Do not clean up with water. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. Contaminated absorbent and wash water should be disposed of according to local and national regulations. Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.

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6. ACCIDENTAL RELEASE MEASURES

Major Spills (more than 20 kg):

May react with wet floor. Do not clean up with water. Contain spill and absorb with Sand, Soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerated at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged or repeated contact with skin and eye. 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 product to get wet in storage.

Protection against fire and explosion:

Keep away from heat sources although the product has no flammability. The product is not explosive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 11th edition)

Engineering Controls:

Always use with adequate ventilation.

Hand protection:

Wear chemical resistant gloves.

Eye protection:

Wear dust or safety goggles.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation.

Exposure Standards:

		TWA		STEL	
Substance	Cas #	ppm	mg/m ³	ppm	mg/m ³
None allocated					

Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Water	77A	The substance must not be applied onto or into water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow granules
Odour:	No data
Odour Threshold:	No data
pH Value:	Not applicable
Melting/freezing point:	No data
Boiling point (range):	No data

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Flash Point:	No data
Flammability:	Not applicable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	No data
Solubility:	Liberates toxic gas on contact with water
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Chemical/material Incompatibilities	Avoid mixing with strong acids, alkalis and oxidising agents. Contact with water liberates toxic gas
Conditions to be avoid:	Avoid excessive heating and contact with water/mosisture.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Classes	6.5A, 6.9B (Single exposure), 6.9B (Repeated exposure), 9.1A, 9.4A
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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral LD ₅₀ = 318 mg/kg (Male rat). Acute oral LD ₅₀ = 419 mg/kg (Female rat). Acute Dermal LD ₅₀ = >5000 mg/kg (rat). Acute Inhalation LC ₅₀ = >1050 mg/kg (rat).
Aspiration hazard	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin corrosion/irritation:	Repeated or prolonged exposure may cause skin irritation and dermatitis.
Serious eye damage/irritation:	May cause eye irritation
Respiratory or skin sensitisation:	Respiratory sensitizer.
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:	No data available
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. Do not contaminate waterways, sewers, or drains when using product or packaging. Rainbow trout, LC50 (96 hr) 0.34 µg/L Water Flea, EC50 (48 hr) 0.00043 mg/L
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12. ECOTOXICITY INFORMATION

Bioaccumulation potential:	No data
Soil Toxicity and degradability:	No data
Mobility in soil	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. DO NOT reuse containers.
Methods of disposal to avoid	Do not empty down stormwater system or into waterways

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	3077
UN Dangerous Goods Class:	Class 9
Hazchem Code:	2YE
UN Packaging Group:	III
UN Proper Shipping Name:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyphenothrin)
Segregation:	Not applicable

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15. N.Z. REGULATORY INFORMATION

HSNO approval Number:	HSR000268
HSNO Classifications:	6.5A, 6.9B (Single exposure), 6.9B (Repeated exposure), 9.1A, 9.4A
HSNO Controls:	Refer to HSR000268
Other Controls	NA

16. OTHER INFORMATION

SDS date of preparation: 09 / 07 / 2020

SDS date of revision: 09 / 07 / 2025

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

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

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RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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