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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: <u>info@kiwicare.co.nz</u>

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

HSNO	Transport of	GHS	Signal	Hazard	Precautionary statement codes			
Hazard Classification	Dangerous Goods Pictogram	Pictogram	word	statement code	Prevention	Response	Storage	Disposal
6.5A	Not applicable for the UN RTDG Model Regulations		Danger	Н334	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	Н373	P103 P260	P314	No storage statements	P501
9.1A	¥2	***	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

**DANGER** Signal word:

Dangerous Goods: Dangerous Goods (Class 9)

Packaging Group: Ш

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.

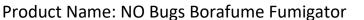
H371: May cause damage to organs

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

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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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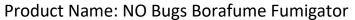
Advice for Medical Doctors:

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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.

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

contamination of drains or waterways. Dispose of fire control water or other extinguishing agent

and spillage safely later.

Hazardous Products of Combustion: Nitrogen oxides (NOx), Carbon monoxide (CO)

and Carbon dioxide (CO<sub>2</sub>). 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.

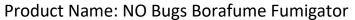
Minor Spills (Up to 20 kg): May react with wet floor. Do not clean up with

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 11<sup>th</sup> 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/m³	ppm	mg/m³
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.

oxidising agents.

Contact with water liberates toxic gas

Conditions to be avoid: Avoid excessive heating and contact with

water/mosisture.

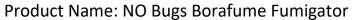
Thermal Decomposition: Hazardous products of combustion; see section

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  $LD_{50} = 318 \text{ mg/kg}$  (Male rat).

Acute oral  $LD_{50} = 419 \text{ mg/kg}$  (Female rat).

Acute Dermal LD<sub>50</sub> = >5000 mg/kg (rat).

Acute Inhalation  $LC_{50} = >1050 \text{ mg/kg (rat)}$ .

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:

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

HSR000268 **HSNO** approval Number:

**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

09 / 07 / 2020 SDS date of preparation:

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