

SAFETY DATA SHEET

Product Name: Organic Insect Barrier



Issue Date: 12/01/2018

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Organic Insect Barrier
Relevant identified uses:	Gel Barrier for insects
Molecular Formula:	Mixture containing capsaicin
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)

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
6.1D (oral)	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 ^b P264 P270	P101 ^b P301 + P312 P330	No storage statements	P501
6.3A	Not applicable for the UN RTDG Model Regulations		Warning	H315	P103 ^b P264 P280	P302 + P352 P321 P332 + P313 P362	No storage statements	P501

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6.4A ⁱ	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 ^b P264 P280	P305 + P351 + P338 P337 + P313	No storage statements	P501
6.9B (Repeated exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 ^b P260	P314	No storage statements	P501
9.3C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H433	P103 ^b P273	No response statements	No storage statements	P501

Dangerous Goods:

Not a DG; Signal word = Warning

Signal word:

Warning

UN number & UN Packaging Group:

None & Not meeting Packing Group I, II or III criteria

Hazardous Substance (HSNO) Codes:

6.1D (Oral)
6.3A (Skin irritant)
6.4A (Eye irritant)
6.9B (May be harmful to human target organs)
9.3C (Harmful to terrestrial vertebrates)

Hazard Statements:

H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H373: May cause human target organ toxicity via repeated exposure.
H433: Harmful to terrestrial vertebrates.

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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 the substance.

P264: Wash thoroughly after handling.

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

P273: Avoid release to the environment.

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

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

P321: Specific treatment, read on the label.

P330: Rinse mouth.

P362: Take off contaminated clothing and wash before re-use.

P363: Wash contaminated clothing before reuse.

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

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

P337 + P313: If eye irritation persists: Get medical advice/attention.

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

P501: Achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use:

Barrier for insects

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Appearance: Dark brown gel

Ingredients

Ingredients	CAS #	Content %
Capsaicin	404-86-4	~ 3.0 %
Butylated hydroxytoluene	128-37-0	< 0.1%
Other 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:	Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Eye Contact:	May cause eye irritation in susceptible persons. Rinse opened eye for several minutes under running water. 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 skin irritation in susceptible persons. Immediately take off all contaminated clothing. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard as the product is a gel. 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.

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4. FIRST AID MEASURES

Advice for Medical Doctors: Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

5. FIRE FIGHTING MEASURES

Specific Hazards: Formation of toxic gases may occur if heated such as carbon monoxide, and other unidentified organic and inorganic compounds.

Suitable Extinguishing Media: Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO₂, 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). Keep unnecessary people away and move all other personnel to windward side of fire. 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.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent leakage or spillage if safe to do so.

Minor Spills (Up to 20 kg): Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.

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6. ACCIDENTAL RELEASE MEASURES

Major Spills (more than 20 kg):

Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. 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 incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged or repeated contact with skin. Avoid inhaling any dust. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.

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 even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8th edition)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	General ventilation. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
Body protection:	Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

B Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Butylated hydroxytoluene (2,6-Di-tert-butyl-p-cresol)	[128-37-0]		10		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Dark brown gel
Solubility:	Partially soluble
Specific Gravity:	0.88 - 0.92
Viscosity:	#3 spindle 12 RPM: 4000 – 6000 cps

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9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point:	> 93 °C
Chemical Family:	Organic amide derivatives
Exposure Standards (TLV-TW):	Refer to section 8
Engineering Controls:	Refer to section 8

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoided:	Avoid strong oxidising agents. Avoid heat, sparks and open flame.
Corrosive Properties:	None corrosive.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if heated.

11. TOXICOLOGICAL INFORMATION

For the active ingredient:

Capsaicin (CAS # 404-86-4): 6.1C (o); 6.3A; 6.4A; 9.3B LD₅₀ = 60 - 294 ppm (mouse)

For the substance (final product): (Based on Mixture rule calculation)

Acute Toxicity: Acute oral 300 < LD₅₀ < 2000 mg/kg

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/eye irritation: Causes eye irritation

Respiratory or skin sensitization: Not a skin reaction sensitiser

Germ cell mutagenicity: Not mutagenic

Carcinogenicity: Not carcinogenic

Reproductive Toxicity: No reproductive toxicity

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11. TOXICOLOGICAL INFORMATION

Specific target organ toxicity – single exposure & Repeated exposure:	May cause specific target organ toxicity
Aspiration hazard:	Unlikely to have this classification
Potential health effects –	
Inhalation:	Unlikely to be harmful through this route
Ingestion:	Harmful if swallowed
Skin:	May cause skin irritancy

12. ECOTOXICITY INFORMATION

Aquatic toxicity:	9.3C Harmful to the terrestrial vertebrates. GHS = H433: LD ₅₀ = 60 - 294 ppm (mouse) Exposure of non-target vertebrate species should be prevented.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Soil toxicity:	NO soil toxicity
Other adverse effects:	Not expected

As the product label indicated that this product is not allowed or washings to enter the waterways or sewer and with other environmental controls. Therefore it is unlikely to be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.
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13. DISPOSAL CONSIDERATIONS

Product:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licenced professional waste disposal service to dispose of this material.
Contaminated packaging:	Dispose of as unused product.
Container Disposal:	Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

UN number

ADR/RID; IMDG; IATA-DGR:	None
UN Proper Shipping Name:	Not applicable
UN Dangerous Goods Class:	None
UN Packaging Group:	Not meeting Packing Group I, II or III criteria (HSNO)
Special precautions for user:	Read label before use

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR002503
HSNO Classifications:	6.1D (Oral) 6.3A (Skin irritant) 6.4A (Eye irritant) 6.9B (Harmful to target organs via repeated exposure) 9.3C (Harmful to terrestrial vertebrates)
HSNO Controls:	Refer to HSR002503
HSNO Approved codes of Practice:	Refer to HSR002503

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To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

16. OTHER INFORMATION

SDS date of preparation:	11 / 08 / 2017
SDS date of revision:	11 / 08 / 2022
Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

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16. OTHER INFORMATION

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.

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

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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