

# SAFETY DATA SHEET



Virbac New Zealand Limited.

## Indorex Fogger

### Section 1: Identification of the Substance and Supplier

<b>Product name:</b>	<b>Indorex Fogger</b>
<b>Recommended use:</b>	Household insecticidal flea bomb
<b>Company details:</b>	Virbac New Zealand Limited
<b>Address:</b>	26 -30 Maui St, Pukete, Hamilton
<b>Telephone number:</b>	(09) 273 9501
<b>Customer service toll free number:</b>	0800 VIRBAC (0800 847 222) (Mon – Fri, 8.30 am – 4.30 pm) www.virbac.co.nz
<b>Emergency telephone number:</b>	National Poison Center: 0800 POISON (0800 764 766) New Zealand Emergency Service 111
<b>Date of preparation:</b>	August 2017

### Section 2: Hazards Identification

<b>Hazard classifications:</b>	<b>2.1.2A, 6.3B, 6.4A, 6.5A, 6.5B, 6.9B, 9.1A, 9.4A</b>
<b>Priority identifier:</b>	<b>DANGER KEEP OUT OF REACH OF CHILDREN ECOTOXIC</b>
<b>Secondary identifiers:</b>	2.1.2A = Extremely flammable aerosol 6.3B = Causes mild skin irritation 6.4A = Causes serious eye irritation 6.5A = May cause allergy or asthma symptoms or breathing difficulties if inhaled 6.5B = May cause an allergic skin reaction 6.9B = May cause damage to organs through prolonged or repeated exposure

9.1A = Very toxic to aquatic life.  
9.4A = Very toxic to terrestrial invertebrates

**Precautionary information:**

Read label before use  
Keep away from heat/sparks/open flames/hot surfaces  
Do not spray on an open flame or other ignition source  
Do not pierce or burn, even after use  
Wash hands thoroughly after handling  
Wear eye and face protection  
Avoid breathing mist/spray  
Contaminated work clothing should not be allowed out of the workplace  
Do not breath mist/spray  
Do not eat , drink or smoke when using this product  
Avoid release to the environment

<b>Section 3: Composition / Information on Ingredients</b>
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<b>Product components:</b>	<b>Ingredients</b>	<b>CAS Number</b>	<b>Proportion</b>
	Permethrin	52645-53-1	1.6%
	Pyriproxyfen	95737-68-1	1%
	Piperonyl butoxide	51-03-6	3.3%
	Hydrocarbon P80	N/A	75%

<b>Section 4: First Aid Measures</b>
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<b>Eye Contact:</b>	Rinse eyes cautiously with a large quantity of water for several minutes. If irritation occurs and persists, seek medical advice.
<b>Skin Contact</b>	Wash off skin with water and soap. If skin irritation occurs and persists, seek medical advice.
<b>Inhalation:</b>	Remove the person to fresh air. If breathing difficulties are experienced, seek medical advice.
<b>Ingestion:</b>	Rinse mouth with water. Give plenty of water to drink. Contact a doctor or call the National Poisons Center on 0800 POISON (0800 764 766).

<b>Workplace facilities:</b>	No specific workplace facilities required.
<b>Required instructions:</b>	Avoid contact with skin and eyes. If skin or eyes irritation occurs wash off immediately. DO NOT eat, drink or smoke while using. Wash hands immediately after handling.
<b>Notes for medical personnel:</b>	No specific antidote is available. If poisoning is suspected apply symptomatic treatment.

<b>Section 5: Firefighting Measures</b>
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<b>Type of hazard:</b>	Extremely flammable aerosol
<b>Fire hazard properties:</b>	May be violently or explosively reactive.
<b>Regulatory requirements:</b>	N/A
<b>Extinguishing media and methods:</b>	Water spray or fog / foam / dry chemical powder / carbon dioxide.
<b>HAZCHEM:</b>	2Y
<b>Recommended protective clothing:</b>	Breathing apparatus and gas tight chemical resistant suit.

<b>Section 6: Accidental Release Measures</b>
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<b>Emergency procedures:</b>	Wear sufficient respiratory protection where necessary and protective clothing to minimize skin exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Use clean, non-sparking tools to collect the material and place into a suitable labeled container.
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<b>Section 7: Handling and Storage</b>
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<b>Precautions for safe handling:</b>	Keep away from flames and hot surfaces. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Wear protective gloves when handling. Avoid breathing Mist/spray. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace.
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	Avoid contamination of any water supply with chemical or empty container.
<b>Approved handlers:</b>	Approved handler required for quantities greater than 3,000L.
<b>Conditions for safe storage:</b>	Protect from sunlight. Do not expose to temperatures exceeding 50°C
<b>Store site requirements:</b>	Store in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight. Store away from foodstuffs, children and animals.
<b>Packing:</b>	No specific packaging requirement.

### Section 8: Exposure Controls / Personal Protection

<b>Workplace Exposure Guidelines:</b>	No working exposure standards have been established.
<b>Exposure standards outside the workplace</b>	No tolerable exposure limit (TEL) or environmental exposure limit (EEL) are set for this substance at this time.
<b>Engineering controls:</b>	Use dust extraction systems in the manufacture, handling, storage, and clean up so that airborne dust is minimized. Do not allow the dust to build up on walls, roof, or machinery.
<b>Personal protective Equipment (PPE):</b>	When handling bulk quantities, wear suitable gloves, safety glasses and protective clothing, to avoid prolonged breathing of dust or contact of dust with skin. Wash thoroughly with soap and water after handling.

### Section 9: Physical and Chemical Properties

<b>Appearance:</b>	Aerosol can with dry distinct odor spray
<b>Boiling Point:</b>	N/A
<b>Vapor Pressure:</b>	400 – 500 KPa at 20°C
<b>Specific Gravity:</b>	N/A
<b>Flammability Limits:</b>	N/A
<b>Solubility in Water:</b>	Miscible

## Section 10: Stability and Reactivity

<b>Stability of the substance:</b>	Stable under normal conditions of use.
<b>Conditions to avoid</b>	Moisture and excessive heat
<b>Material to avoid:</b>	N/A
<b>Hazardous decomposition products:</b>	In Fire: Carbon monoxide, carbon dioxide, hydrogen
<b>Hazardous polymerization:</b>	N/A
<b>Specific Data</b>	N/A

## Section 11: Toxicological Information

<b>Eye Contact</b>	Causes serious eye irritation
<b>Skin Contact</b>	Harmful in contact with skin. Will irritate the skin.
<b>Inhalation</b>	May cause dizziness, disturbances of vision, drowsiness, respiratory irritation and eye, skin and mucous membrane irritation.

## Section 12: Ecological Information

<b>Very ecotoxic in the aquatic environment</b>	Acute toxicity – all values $\leq$ 1mg/L 96-hour LC <sub>50</sub> (for fish) 48-hour EC <sub>50</sub> (for crustacean) 72- or 96-hour ErC <sub>50</sub> (for algae or other aquatic plants) This class may be subdivided for some regulatory systems to include a lower band at L(E)C <sub>50</sub> $\leq$ 0.1mg/L Reference from [ User Guide to the HSNO Thresholds and Classifications]
<b>Potential environmental interactions:</b>	The following information refers to Permethrin:  Permethrin is considered highly toxic to fish, with 96-h LC <sub>50</sub> values ranging from 0.62 µg/litre for larval rainbow trout to 314 µg/litre for adult rainbow trout.*  Permethrin is highly toxic for honey bees. The topical LD <sub>50</sub> is 0.11µg/bee.*  Permethrin has very low toxicity to birds when given orally or fed in the diet. The LD <sub>50</sub> is > 3000 mg/kg body weight for acute single oral dosage and for dietary exposure it is >5000

mg/kg diet.\*

Permethrin has a moderate rate of degradation in soil with a half-life of 28 days or less. \*

Permethrin deposited on plants degrades with a half-life of approximately 10 days.\*

In general, the degradative processes which occur in the environment lead to less toxic products.\*

\* Reference from [INCHEM]

### Section13: Disposal Considerations

**Disposal information:**

Ensure container is completely empty before disposal.  
Dispose of containers at local authority landfill that does not burn its refuse.  
DO NOT burn empty containers.  
Avoid contamination of any water supply with chemical or empty container.  
Toxic to fish. Do not contaminate dams, rivers, streams or other waterways with product or empty container.

### Section14: Transport Information

**Transport information:**

**Dangerous Goods Classification**  
**UN No:**1950  
**Class:** 2.1  
**Packing Group:** None  
**Shipping Name:** Aerosols

### Section15: Regulatory Information

**Registration number:**

N/A

**HSNO Classification:**

ERMA Approval Code: **HSR000255**

For a full listing of controls see <http://www.ermanz.govt.nz>

### Section 16: Other Information

**None**

For product information visit the Virbac website [www.virbac.co.nz](http://www.virbac.co.nz)  
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