



Virbac New Zealand Limited

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Indorex Target**
 Product Use: Household insecticidal flea bomb, for up to 12 months flea larvae control in carpets & furnishings
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Virbac New Zealand Limited**
 Address: 26 – 30 Maui Street
 Pukete, Hamilton

Telephone: +64 7 849 6782
 Customer Service Toll no: 0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 3 December 2021

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: HSR000256

Pictograms



Signal Word: **Danger**

GHS Classification and Category	Hazard Code	Hazard Statement
Aerosol Cat. 1	H222	Extremely flammable aerosol.
Aerosol	H229	Pressurised container: may burst if heated.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Respiratory sensitisation Cat. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment acute/chronic Cat. 1	H400/H410	Very toxic to aquatic life with long lasting effects.
Hazardous to terrestrial invertebrates	H441	Hazardous to terrestrial invertebrates

Prevention Code	Prevention Statement
P102	Keep out of reach of children.

Product Name: **Indorex Target**
Date of SDS: 3 December 2021

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P285	In case of inadequate ventilation wear respiratory protection.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P341	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage Code	Storage Statement
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Permethrin	<0.1	52645-53-1
Pyriproxyfen	<0.1	95737-68-1
Piperonyl butoxide	1.8	51-03-6
LPG	25-30	68476-85-7
Isohexane	60-70	107-83-5

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on Skin	Remove contaminated clothing and wash before reuse. Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	Rinse mouth and give plenty of water to drink. Do not give anything to the mouth of an unconscious person. Contact a doctor or call the National Poisons Centre on 0800 POISON (0800 764 766).
If Inhaled	Remove the person from affected area to fresh air area. If any trouble breathing, get immediate medical attention. If irritation or symptoms persist, consult a doctor.

Most important symptoms and effects, both acute and delayed

Symptoms: Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Notes to Doctor: No specific antidote is available. If poisoning is suspected apply symptomatic treatment.

Section 5. Fire Fighting Measures

Hazard Type	Extremely Flammable Aerosol
Hazards from products	May be violently or explosively reactive. In Fire: Carbon monoxide, carbon dioxide, hydrogen
Suitable Extinguishing media	Water spray or fog / foam / dry chemical powder / carbon dioxide.
Precautions for firefighters and special protective clothing	Breathing apparatus and gas tight chemical resistant suit.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Personnel involved in clean-up should wear appropriate personal protective equipment to minimize exposure as detailed in Section 8. Non-essential personnel should be evacuated from the affected area.

In the event of a spill, prevent spillage from entering drains or watercourses.

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 labelled container. Dispose of in compliance with local and/or national regulations as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.
- Do not breathe dust, fumes, gas, mist, vapours or spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- In case of inadequate ventilation wear respiratory protection.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Store in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight.
- Store away from foodstuffs, children and animals.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
LPG (Liquefied petroleum gas) [68476-85-7]	1000	1800	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls

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.

Personal Protection Equipment



Eyes	When handling in bulk wear suitable safety glasses.
Skin	When handling in bulk wear suitable protective gloves and clothing.
Respiratory	Not normally required. Wear respiratory protection in areas of poor ventilation.
Hygiene	Wash hands thoroughly with soap and water after handling.

Section 9 Physical and Chemical Properties

Appearance	Aerosol , white to off-white creamy, suspension
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Flammable
Combustibility	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	0.947g/ml
Water Solubility	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	3,000 - 7,000 cps (spindle RV6 at 5rpm and 20°C)
Particle Characteristics	The active ingredients are 90% <30um. The product is a paste suspension, the actives are suspended in a paste base.

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of use.
Possibility of hazardous reactions	No data available.

Conditions to Avoid	Moisture and excessive heat
Incompatible Materials	No data available.
Hazardous Decomposition Products	In Fire: Carbon monoxide, carbon dioxide, hydrogen

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye	Causes serious eye irritation.
Skin	May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects
Hazardous to terrestrial invertebrates

Acute toxicity – all values \leq 1mg/L

96-hour LC₅₀ (for fish)

48-hour EC₅₀ (for crustacean)

72- or 96-hour ErC₅₀(for algae or other aquatic plants)

This class may be subdivided for some regulatory systems to include a lower band at L_{EC}50 \leq 0.1mg/L

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Potential environmental interactions:

The following information refers to Permethrin:

Permethrin is considered highly toxic to fish, with 96-h LC₅₀ 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 LD₅₀ is 0.11µg/bee.

Permethrin has very low toxicity to birds when given orally or fed in the diet. The LD₅₀ 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.

The product must not be allowed to run into drains or waterways.

Section 13. Disposal Considerations

Disposal Method:

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.

Precautions or methods to avoid: Toxic to fish. Do not contaminate dams, rivers, streams or other waterways with product or empty container.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	1950
Class - Primary	2.1
Proper Shipping Name	AEROSOLS
Marine Pollutant	YES

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **HSR000256**

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	3000L (AWC)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100L
Fire Extinguisher Quantities	3000L (AWC)
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	Only use for the intended purpose.
ACVM Approval No See www.foodsafety.govt.nz for registration Conditions	N/A

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority

HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, if further information is required.

Issue Date: 3 December 2021 Review Date: 3 December 2026