

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product Name: APIVAR strips for the in-hive control of mites on honey bees
Product Use: Veterinary Pesticide for industrial and consumer use.
Restriction of Use: For use as a veterinary medicine only
New Zealand Supplier: New Zealand Beeswax Ltd
Address: 44 Gladstone Street Sth, RD 22
Geraldine 7992

Emergency Telephone: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 15 May 2023

Section 2. Hazards Identification

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

EPA Approval No: HSR000799

Pictograms:



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment acute/chronic Cat. 1	H400 / 410	Very toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dusts.
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.

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

Storage Code	Storage Statement
None allocated	

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

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
N,N-bis(2,4-xylyliminomethyl) methylamine	1-<5	33089-61-1
vinyl acetate	<1	108-05-4
Non hazardous	To balance	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice if needed.
If on Skin	Brush off loose particles from skin. Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Seek medical advice if needed.
If Inhaled	If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Most important symptoms and effects, both acute and delayed

Symptoms:

Skin:	May cause an allergic skin reaction.
Inhalation:	Not applicable.
Skin contact:	Not applicable.
Eye irritation:	Not applicable.

Notes for First Aid Measure:

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable, non-combustible liquid. Deposited combustible dust has considerable explosion potential.
Hazardous Combustion	nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2).
Suitable Extinguishing media	Water, foam, alcohol resistant foam, ABC-powder. Do not use water.
Precautions for firefighters and	In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting

special protective clothing	water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.
HAZCHEM CODE	2Z

Section 6. Accidental Release Measures

Clear the area of all unprotected personnel. Wear appropriate protective clothing (see Section 8, Personal Protection).

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

Take up mechanically. Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder). Place in appropriate containers for disposal. Ventilate affected area.

Dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Keep out of reach of children.
- Read label before use.
- Avoid breathing dusts.
- Contaminated work clothing should not be allowed out of the workplace.
- Use local and general ventilation.
- Take precautionary measures against static discharge.
- Ground/bond container and receiving equipment.
- Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.

Precautions for Storage:

- Store away from any incompatible materials listed in Section 10.
- Packaging compatibilities Resistant packaging's, approved packaging type (e.g. acc. to ADR) are recommended.
- Use local and general ventilation.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Vinyl acetate	[108-05-4]	10	35	20	70

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 APRIL 2022 13TH EDITION.

DNELs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
vinyl acetate	108-05-4	DNEL	35.2 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
vinyl acetate	108-05-4	DNEL	35.2 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
vinyl acetate	108-05-4	DNEL	17.6 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
vinyl acetate	108-05-4	DNEL	0.42 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
vinyl acetate	108-05-4	DNEL	17.6 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects

PNECs of components of the mixture

Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental com-	Exposure time
vinyl acetate	108-05-4	PNEC	0.016 mg/l	aquatic organisms	freshwater	short-term (single instance)
vinyl acetate	108-05-4	PNEC	0.0016 mg/l	aquatic organisms	marine water	short-term (single instance)
vinyl acetate	108-05-4	PNEC	6 mg/l	aquatic organisms	sewage treatment plant	short-term (single instance)
vinyl acetate	108-05-4	PNEC	0.067 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
vinyl acetate	108-05-4	PNEC	0.0067 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
vinyl acetate	108-05-4	PNEC	0.0035 mg/kg	terrestrial organisms	soil	short-term (single instance)
vinyl acetate	108-05-4	PNEC	0.126 mg/l	aquatic organisms	water	continuous

Engineering Controls

General ventilation.

Personal Protective Equipment

Eyes	Wear eye/face protection.
Skin	Wear protective gloves. Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling
Respiratory	Particulate filter device (EN 143).
Environmental	Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

Section 9 Physical and Chemical Properties

Appearance	Solid
Container	Translucent
Odour	Characteristic
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available

Product Name: Apivar
Date of SDS: 15 May 2023

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

Solubility in water and solvents (mg/l)	Not available
Rainfastness	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Molecular weight	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions of use and storage.
Conditions to Avoid	There are no specific conditions known which have to be avoided. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.
Incompatible Materials	None known.
Hazardous Decomposition Products	Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Combustion Products: nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2).

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable
Dermal	Not applicable
Inhalation	Not applicable
Eye	Not applicable
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
Other	Not applicable

Substance information:

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
N,N-bis(2,4-xylyliminomethyl) methylamine	33089-61-1	oral	500
vinyl acetate	108-05-4	inhalation: vapour	11

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.

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

Substance information:

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
vinyl acetate	108-05-4	EC50	12.6 mg/l	aquatic invertebrates	48 hours
vinyl acetate	108-05-4	ErC50	12.7 mg/l	algae	72 hours

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
vinyl acetate	108-05-4	EC50	24 mg/l	aquatic invertebrates	24 h

Section 13. Disposal Considerations

Disposal Methods:

Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements.

Methods to avoid and Precautions:

Do not empty into drains. Avoid release to the environment.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020



Road, Rail, Sea and Air Transport

UN No	3077
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

EPA Approval Code: HSR000799

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100kg

Emergency Response Plan	1000kg
Secondary Containment	1000kg
Restriction of Use	Only use for the intended purpose.
ACVM Act and Regulations	
ACVM Act 1997: Approval No	P05702

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 April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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

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