


Nilvax[®] Selenised

Section 1: Identification of the Substance and Supplier

Product name	Nilvax Selenised
Recommended use	Combination clostridial vaccine and drench for sheep.
Company details	Schering-Plough Animal Health Limited 33 Whakatiki Street, Upper Hutt 5018, New Zealand Phone: 0800 800 543 Fax: 0800 808 100 Website: www.coopersonline.co.nz Hours 8 am – 5 pm, Mon – Fri
Emergency telephone	0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours
Date of preparation	April 2019

Section 2: Hazards Identification

Hazard classifications	6.1E: Acute toxicant 6.5B: Contact sensitiser 6.6B: Mutagen 6.9B: Target organ systemic toxicant
GHS Pictogram:	
Signal word	Warning
Hazard statement	H303: May be harmful if swallowed. H317: May cause an allergic skin reaction. H341: Suspected of causing genetic defects from repeated oral exposure. H373: May cause damage to the liver, blood and the haematopoietic systems through prolonged or repeated oral exposure at high doses.
Prevention statement	P102: Keep out of reach of children. P202: Do not handle until all safety precautions have been read and understood. P261: Avoid breathing mist. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves, protective clothing and eye or face protection. P281: Use personal protective equipment as required.
Response statement	P101: If medical advice is needed, have product container or label at hand. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P308 + P313: If exposed or concerned: Get medical advice. P314: Get medical advice/attention if you feel unwell. P321: See first aid instruction on the registered label. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse.
Storage	P405: Store locked up.
Disposal	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
<i>C. chauvoei</i> whole cell culture (inactivated)	-	Varies
<i>C. novyi</i> Type B toxoid (inactivated)	-	Varies
<i>C. perfringens</i> Type D toxoid (inactivated)	-	Varies
<i>C. septicum</i> toxoid (inactivated)	-	Varies
<i>C. tetani</i> toxoid (inactivated)	-	Varies
Levamisole Phosphate	32093-35-9	10%
Sodium selenate	13410-01-0	<1%
Thiomersal (Preservative)	54-64-8	<1%

Section 4: First Aid Measures

Necessary first aid measures

ACCIDENTAL SELF-INJECTION Obtain medical attention - show this SDS. Accidental self injection may lead to an inflammatory response and medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied.

SKIN CONTACT While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

EYE CONTACT Immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

INGESTION Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or Poison Control Centre. If symptoms persist, consult a doctor.

INHALATION Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a doctor.

Required instructions

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

Notes for medical personnel

Accidental self-injection: Treat symptomatically. Some risk of hypersensitivity from injection. Contains safety tested inactivated bacterial toxins. Contamination of the needle must be considered.

Inhalation: remove to fresh air & provide oxygen if breathing is difficult

Workplace facilities

Emergency showers and eyewashes may be warranted depending on quantity and type of use.

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Section 5: Fire Fighting Measures

Type of hazard	Not classified as flammable
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	Carbon dioxide (CO ₂), extinguishing powder or water spray
Hazchem code	Not applicable
Recommended protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Personal Precautions	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
Emergency procedures	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal.

Section 7: Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
Regulatory requirements	Emergency response plan required where quantities greater than 1000 L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Certified handlers	Not required.
Conditions for safe storage	Store in original container. Keep out of reach of children.
Store site requirements	Store between 2°C and 8°C. DO NOT FREEZE.
Packaging	PG III (Limited Quantities – Schedule 4)

Section 8: Exposure Control/Personal Protection

Occupational exposure limits	No WES is set for this substance at this time.
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL is set for this substance at this time. No EEL is set for this substance at this time.
Personal protection	Wear chemical resistant gloves, facemask or goggles.
Engineering controls	The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

Section 9: Physical and Chemical Properties

Appearance	Clear to turbid, colourless to white, liquid
Boiling Point	100°C
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	1.0
Solubility (H ₂ O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	Avoid high temperatures
Material to avoid	Avoid food products
Hazardous decomposition products	Carbon oxides (CO _x)

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Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	Levamisole: LD50 294.12 mg/kg bw [EPA NZ] Sodium selenate: LD50 25 mg/kg/bw [INCLASS] Sodium selenate: Toxic by inhalation [INCLASS] Thiomersal: LD50 40 mg/kg/bw (rat) [EPA NZ]
TEL	No TEL is set for this substance at this time.

Chronic/long term effects for individual ingredients only

<p>Levamisole: Levamisole induced chromosome gaps and breaks in human lymphocytes in vitro and in vivo after volunteers were given 2 mg/kg. No chromosomal damage occurred in mice given 2.5 mg/kg subcutaneously. Levamisole; ADI of 0-6 µg/kg based on LOAEL of 1.25 mg/kg/day haemolytic effects in dogs, safety factor of 200. MRLs of 100 µg/kg in muscle, kidney and fat and 100 µg/kg for liver.</p> <p>Sodium selenate: NOAEL of 0.37mg/kg/bw/day for Hepatotoxicity/ Alimentary system (liver) effects based on [Hayes, W.J., Jr., E.R. Laws, Jr., (eds.). New York, NY: Academic Press, Inc., 1991. 558] [HSDB]</p> <p>Thiomersal has been documented as a sensitiser. [All references from NTP]</p>
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Section 12: Environmental Information

Effects for individual ingredient only

EEL	No EEL is set for this substance at this time.
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Section 13: Disposal Considerations

Disposal information	<p>Disposal Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.</p> <p>Container Disposal Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.</p> <p>Needle Disposal Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.</p> <p>Reference Current version of NZS 8409 Management of Agrichemicals.</p>
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Section 14: Transport Information

Relevant information	Not classified as a dangerous good for transport
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SAFETY DATA SHEET

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Section 15: Regulatory Information

Regulatory status

HSNO Approval Code: HSR002293
For a full listing of controls see www.epa.govt.nz

ACVM Registration No: A003977
For conditions of registration see www.foodsafety.govt.nz

Section 16: Other Information

Additional information

Nilvax is a registered trademark.

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