

Section 1: Identification of the Substance and Supplier

Product name	Toxovax
Recommended use	Veterinary vaccine for use in 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.msd-animal-health.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	This product is considered non-hazardous as it does not trigger any of the minimum degrees of hazard under the HSNO Act 1996.
Health effects	Not harmful by ingestion. No specific studies have been performed on the relative safety of the attenuated vaccine in man. It would therefore be advisable to assume that the organism may have properties similar to 'wild type' <i>Toxoplasma gondii</i> which is a recognised human pathogen.

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Live <i>Toxoplasma gondii</i> tachyzoites within Vero cells	-	varies
Gentamycin	1403-66-3	<0.1%

Section 4: First Aid Measures

Necessary first aid measures	<p>ACCIDENTAL SELF-INJECTION or contact with open wound Obtain immediate medical attention - show this SDS and inform doctor that self-injection with a living tachyzoite <i>Toxoplasma</i> vaccine has occurred. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Encourage bleeding by squeezing the wound. Wash with soap and water and apply alcohol-based disinfectant.</p> <p>SKIN CONTACT In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. Apply alcohol-based skin disinfectant. If irritation or symptoms occur or persist, consult a doctor.</p> <p>EYE CONTACT In case of 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.</p> <p>INGESTION Rinse mouth and drink a glass of water. Not harmful by ingestion.</p> <p>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.</p>
-------------------------------------	--

Toxovax[®]

Required instructions	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
Notes for medical personnel	<p>Living tachyzoites can cause disease in man. Pyrimethamine therapy is the currently recognised treatment for toxoplasmosis in humans. Note if effective treatment is not received, inadvertent exposure to the vaccine by self injection, eye contact or contact with open wounds may possibly result in the following:</p> <ol style="list-style-type: none"> Mild 'influenza-like' illness in healthy men and non-pregnant women Severe illness in immuno-suppressed persons, e.g. persons with AIDS, undergoing chemotherapy or taking immuno-suppressant drugs Interference with normal foetal development, possibly leading to damage to the unborn child or abortion Allergic reaction by each of the above routes or exposure and via skin contact.
Workplace facilities	<p>Contamination of the needle must also be considered. Treat symptomatically.</p> <p>Emergency showers and eyewashes may be warranted depending on quantity and type of use.</p>

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 self-contained breathing apparatus (SCBA) plus protective gloves.

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. Toxovax should not be handled by pregnant women as the vaccine may interfere with normal foetal development.
--------------------------------------	--

Toxovax[®]

Toxovax should not be handled by persons who are immuno-deficient (e.g. AIDS sufferers, persons undergoing chemo-therapy or taking immuno-suppressive drugs). If in any doubt, a doctor should be consulted.

Regulatory requirements	None specified.
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 away from light at 2°C to 8°C. DO NOT FREEZE.
Packaging	None specified.

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 or EEL is set for this substance at this time.
Personal protection	No requirements.
Engineering controls	Not applicable.

Section 9: Physical and Chemical Properties

Appearance	Straw coloured liquid
Boiling Point	Ca. 100°C
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	Ca. 1.00
Solubility (H ₂ O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures and exposure to light.
Material to avoid	Avoid food products

SAFETY DATA SHEET

Toxovax[®]

Hazardous decomposition products No dangerous decomposition is expected if used according to manufacturer's specifications.

Section 11: Toxicological Information

Acute effects for individual ingredients only

TEL	No TEL is set for this substance at this time.
-----	--

Chronic/long term effects for individual ingredients only

Section 12: Environmental Information

Effects for individual ingredients only.

EEL	No EEL is set for this substance at this time.
-----	--

Section 13: Disposal Considerations

Disposal information **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.

Container Disposal
Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.

Needle Disposal
Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container

Reference Current version of NZS 8409 Management of Agrichemicals

Section 14: Transport Information

Relevant information Exempt from DG Transport requirements.

Section 15: Regulatory Information

Regulatory status ACVM registration number: A04769.
For conditions of registration see www.foodsafety.govt.nz

Approval not required under the HSNO Act 1996.

RESTRICTED VETERINARY MEDICINE

Section 16: Other Information

Additional information Toxovax is a registered trademark.

Schering-Plough Animal Health Ltd known as MSD Animal Health, is a subsidiary of Merck & Co., Inc., Whitehouse Station, NJ, USA. Schering-Plough Animal Health Limited urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Schering-Plough Animal Health Limited extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).