

# SAFETY DATA SHEET

## Toxovax<sup>®</sup>

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

Product name	Toxovax
Recommended use	Veterinary vaccine for use in Sheep.
Company details	<b>MSD Animal Health, 33 Whakatiki Street, Upper Hutt</b>  Phone: 0800 800 543 Fax: 0800 808 100 Website: <a href="http://www.msd-animal-health.co.nz">www.msd-animal-health.co.nz</a> 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	September 2011

### Section 2: Hazards Identification

Hazard classifications	This product has been classified as not hazardous according to criteria of the Hazardous Substances Act 1996. (Minimum Degrees of Hazard) Regulations 2001.
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><b>ACCIDENTAL SELF-INJECTION or contact with open wound</b> 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><b>SKIN CONTACT</b> 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><b>EYE CONTACT</b> 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><b>INGESTION</b> Rinse mouth and drink a glass of water. Not harmful by ingestion.</p>
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**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** 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:

- 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.

Contamination of the needle must also be considered. Treat symptomatically.

### Section 5: Fire Fighting Measures

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

### Section 6: Accidental Release Measures

<b>Emergency procedures</b>	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.
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### Section 7: Handling and Storage

<b>Precautions for safe handling</b>	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 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.
<b>Regulatory requirements</b>	Not required
<b>Handling practices</b>	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.

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<b>Approved handlers</b>	Not required.
<b>Conditions for safe storage</b>	Store in original container. Keep out of reach of children.
<b>Store site requirements</b>	Store away from light at 2-8°C. Do not freeze.
<b>Packaging</b>	Not specified

### Section 8: Exposure Control/Personal Protection

<b>Workplace exposure standards</b>	Not applicable
<b>Application in the workplace</b>	Ensure adequate ventilation. Keep container sealed when not in use.
<b>Exposure standards outside the workplace</b>	No TEL is set for this substance at this time No EEL – not applicable
<b>Personal protection</b>	Wear chemical resistant gloves, facemask or goggles.
<b>Engineering controls</b>	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 <sub>2</sub> O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

### Section 10: Stability and Reactivity

<b>Stability of the substance</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures and exposure to light.
<b>Material to avoid</b>	Avoid food products
<b>Hazardous decomposition products</b>	No dangerous decomposition is expected if used according to manufacturer's specifications.

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### Section 11: Toxicological Information

#### Acute effects for individual ingredients only

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

<b>Disposal information</b>	<b>Disposal</b> Dispose of unused contents in a suitable landfill.  <b>Container Disposal</b> Dispose of empty vaxipak by puncturing and burying in a suitable landfill. Do NOT burn.
<b>Reference</b>	Current version of NZS 8409 Management of Agrichemicals

### Section 14: Transport Information

<b>Relevant information</b>	Exempt from DG Transport requirements.
<b>Other requirements</b>	Refer to Haznote.

### Section 15: Regulatory Information

<b>Regulatory status</b>	ACVM registration number: A04769. For conditions of registration see <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a>
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Approval not required under the HSNO Act 1996.

**RESTRICTED VETERINARY MEDICINE**

### Section 16: Other Information

<b>Additional information</b>	Toxovax is a registered trademark.
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