

# MSDS - Material Safety Data Sheet

## EIMERIAVAX 4m

**BIOPROPERTIES Pty. Ltd.**

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### WORK HAZARD ASSESSMENT

Not classified as hazardous to health according to criteria of Worksafe Australia

### PRODUCT IDENTIFICATION

**Product Name:** EIMERIAVAX 4m  
**Other Names:** Coccidiosis Vaccine  
**Product Code:** 9802 E4M  
**UN Number:** None allocated.  
**Dangerous Goods Class:** None allocated.  
**Subsidiary Risk:** None allocated.  
**Hazchem Code:** None allocated.  
**Poisons Schedule Number:** None allocated.  
**Product Type:** Poultry vaccine.  
**Chemical Family:** The active ingredients consist of viable avian oocysts from 4 species of coccidia of avian origin, suspended in a protective buffer.  
**Use:** As a vaccine to control coccidiosis in chickens.  
**Method of use:** Administered by eyedrop to chickens of 1 day of age, or older.

### PHYSICAL DESCRIPTION AND PROPERTIES

**Appearance:** An opaque greyish liquid consisting of a suspension of coccidial oocysts in an aqueous buffer, in a 30 mL plastic eyedropper bottle.  
**Melting Point:** Not relevant.  
**Boiling Point:** Not relevant.  
**Vapour Pressure:** Not relevant.  
**Volatile materials:** Not available.  
**Specific Gravity:** Not available.  
**Flashpoint:** Not relevant.  
**Flammability Limits:** Not relevant.  
**Solubility in Water:** Fully miscible.

### INGREDIENTS

Chemical Name	CAS #	Proportion	Worksafe Exposure Limits	
			ES-TWA mg/m <sup>3</sup>	ES-STEL mg/m <sup>3</sup>
Aqueous buffer of ingredients determined not to be hazardous, containing a suspension of <i>Eimeria</i> species oocysts of avian origin.	Not relevant	100% (including formaldehyde listed below)	Not set	Not set
Formaldehyde	50-00-0	0.037 mg/mL	1.2	2.5

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This is a commercial product and the exact ratio of components may vary. Trace quantities of impurities are also likely.

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### HEALTH HAZARD INFORMATION

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#### HEALTH EFFECTS

- Acute:** No evidence for humans.
- Swallowed:** Mild irritation to mouth.
- Eye:** Mild irritation.
- Skin:** No evidence for humans.
- Inhaled:** Not relevant unless indirectly exposed via background levels within a facility undergoing vaccination.
- Chronic:** No evidence for humans.

#### FIRST AID

- Swallowed:** Rinse mouth with clean, fresh water and swallow additional clean water to dilute the material. Do not induce vomiting. If symptoms develop, seek medical advice.
- Eye:** Hold eyes open and gently flood the eye with running water for 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not attempt to remove contact lenses unless trained to do so. If irritation persists, seek medical advice.
- Skin:** Wash affected area with soap and cold water. If irritation occurs, seek medical advice.
- Inhaled:** Direct inhalation is not relevant. If inhaled after generation of mists or dusts, remove person to fresh air and observe until recovered. If irritation or other symptoms persist, seek medical advice.
- First Aid facilities:** No special facilities are required.

#### ADVICE TO DOCTOR:

The product contains avian oocysts (not known to be infectious to humans), physiological buffer, and small amounts of formalin acting as a preservative against microbial growth. Although purified, the product may contain small residues of chicken tissues. There is no specific treatment for exposure to EIMERIAVAX 4m.

Poisons Information Centre: 13 11 26 (anywhere in Australia)

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### PRECAUTIONS FOR USE

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- Exposure Standards:** No time weighted average (TWA) has been set. There is a blanket recommendation of 10 mg/m<sup>3</sup> for inspirable dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.
- Engineering Controls** In industrial situations, concentrations below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

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### Personal Protection:

- Respirator Type:** Not relevant under normal conditions of use.
- Glove type:** Wear general purpose household rubber gloves to give skin protection against the vaccine but use gloves that are thin enough to allow good sensitivity of touch.
- Eye protection:** Industrial safety glasses giving protection against splash should be worn as a general measure. See AS 1336 and AS/NZS 1337.
- Clothing:** Wear overalls (see AS 2919) and boots capable of protecting against penetration of liquids (see AS/NZS 2210 - Occupational Protective Footwear).
- Other:** Always wash your hands after using the product.  
Remove obviously-contaminated clothing without delay and wash it and other personal protective equipment before storing or re-use.

### Flammability:

- Fire Hazards:** Not relevant.
- Sources of Ignition advice:** Not relevant.

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## SAFE HANDLING INFORMATION

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### Storage And Transport:

- Location:** In a refrigerator.
- Security:** Keep in a secure place protected from food and children.
- Temperature Conditions:** Refrigerate (4-8°C), do not freeze.
- Protection from weather, sunlight:** Do not leave the product exposed to the weather or sunlight.
- Storage incompatibilities:** Do not store with human foodstuffs.
- Type of container/Package:** A 30 mL leak proof plastic bottle of vaccine supplied with eye-drop applicator.
- Dangerous Goods Class/Subsidiary risk:** None allocated.
- State/Territory Transport Requirements:** Not available.
- Special transport Requirements:** Keep cool and protect from light, such as within a foam insulated container.

### Spills And Disposal:

- Clean up spills/leaks:** Inactivate oocysts by treating the affected area with undiluted cloudy ammonia or boiling water while preventing run-off from entering drains. Mop up spilt liquids with absorbent paper and wrap all waste in paper for disposal.
- Precautions for clean up crew:** Before use, study and follow the MSDS on cloudy ammonia; Take care not to splash boiling water. Obey the instructions above regarding personal protection.
- Disposal method:** Dispose of solid waste by wrapping with paper and putting in garbage.

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**Incineration/Landfill**

**Conditions:** Comply with local, state and federal regulations.

**Fire And Explosion Hazard:**

**Hazards of use/storage:** Not relevant.

**List of dangerous decomposition or combustion products:** Not available.

**Fire-fighting recommendations:** Not available.

**Types of Extinguisher/Fire-fighting agents:** Not available.

**Precautions:** Not available.

**Protective clothing:** Not available.

**Reactivity:** Not available.

**Hazchem code:** None assigned.

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### OTHER INFORMATION

This MSDS has been prepared in accord with the Worksafe Australia "National Code for Preparation of Material Safety Data Sheets", 1994

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### CONTACT POINT

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### READ ALL LABELS AND INSTRUCTION LEAFLETS BEFORE USING THIS PRODUCT

**WARRANTY AND DISCLAIMER:**

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