

MSDS - Material Safety Data Sheet

Vaxsafe[®] MS Vaccine (living)

BIOPROPERTIES Pty. Ltd.

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WORK HAZARD ASSESSMENT

The vaccine is not classified as hazardous to health according to criteria of Worksafe Australia

PRODUCT IDENTIFICATION

Product Name: Vaxsafe[®] MS Vaccine (living)

Other Names: MS-H Vaccine, MS vaccine.

Product Code: 9501 MSH

UN Number: None allocated.

Dangerous Goods

Class/Subsidiary Risk: None allocated.

Hazchem Code: None allocated.

Poisons Schedule

Number: None allocated.

Product Type: Poultry vaccine.

Chemical Family: Active ingredient consists of viable *Mycoplasma synoviae* (MS) suspended in a protective buffer.

Use: As an aid in the control of chronic respiratory disease, air sacculitis and synovitis in broiler breeder and layer chickens, as caused by MS

Method of use: Administered by eyedrop to chickens preferably between 4-12 weeks of age.

PHYSICAL DESCRIPTION AND PROPERTIES

Appearance: Frozen liquid of a pale colour in a 30 mL plastic bottle containing sufficient vaccine for 1000 doses by eye drop application.

Melting Point: Not relevant

Boiling Point: Not relevant

Vapour Pressure: Not relevant

Volatile materials: Not available

Specific Gravity: Not relevant.

Flashpoint: Not relevant

Flammability Limits: Not relevant

Solubility in Water: Fully miscible

pH: Not available

MSDS - Material Safety Data Sheet

Vaxsafe[®] MS Vaccine (living)

INGREDIENTS			Worksafe Exposure Limits	
Chemical Name	CAS #	Proportion By Volume	ES-TWA mg/m ³	ES-STEL mg/m ³
<i>Mycoplasma synoviae</i> (MS) in a culture medium containing swine serum and other ingredients determined not to be hazardous	None allocated	100%	None allocated	None allocated

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

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

- Acute:** Not available.
- Swallowed:** Not available.
- Eye:** Mild irritation.
- Skin:** Mild irritation.
- Inhaled:** Not relevant unless indirectly via general background environmental dust levels in poultry sheds.
- Chronic:** Not available.

FIRST AID

- Swallowed:** Rinse mouth with clean, fresh water and swallow some clean water. If symptoms appear, seek medical advice.
 - Eye:** Hold eyes open and gently wash material from them with clean running water. 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 water. If irritation persists, seek medical advice.
 - Inhaled:** Direct inhalation is not relevant. If inhaled after generation of a mist, 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 consists of a suspension of viable MS of avian origin in a physiological buffer that contains complex proteins that may be capable of causing allergy. It contains no known viable microbes other than the vaccine agent. There is no specific treatment for exposure to Vaxsafe[®] MS.

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

PRECAUTIONS FOR USE

- Exposure Standards:** No time weighted average (TWA) has been set. There is a blanket recommendation of 10 mg/m³ for inhaled 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.

MSDS - Material Safety Data Sheet

Vaxsafe[®] MS Vaccine (living)

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.

Personal Protection:

- Respirator Type:** Not applicable.
- Glove type:** Wear water proof 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 contaminated clothing without delay and wash it and other personal protective equipment before storing or re-use.

Flammability:

- Fire Hazards:** Not flammable under conditions of use.
- Sources of ignition advice:** Not relevant.

SAFE HANDLING INFORMATION

Storage and Transport:

- Location:** Store below -18°C (deep freeze), protected from light, for up to 4 weeks from the time of delivery.
- Security:** Keep the vaccine in a secure place, away from food and children.
- Temperature Conditions:** Long term storage -70°C. Short term storage (<4 weeks) below -18°C (deep freeze).
- Protection from weather, sunlight:** Keep out of direct sunlight during handling and use.
- Storage incompatibilities:** Store separately to foodstuffs.
- Type of container/Package:** Pharmaceutical plastic bottle with a red tear-off closure.

Spills and Disposal:

- Clean up spills/leaks:** Treat the affected area with hot water (to inactivate the active agent) and mop up while preventing run off from entering drains. In the unlikely event of a significant quantity of material entering drains, advise emergency services.
- Precautions for clean up crew:** Take care not to burn yourself or others via splashes of boiling water.
- Disposal of containers:** Discard unused vaccine and empty vaccine bottles into a disinfectant solution (e.g. chlorine based bleach). Dispose of the empty, disinfected container by wrapping with paper and putting in garbage.
- Disposal method:** Mop up liquids and sweep up broken containers. Dispose of solid waste by wrapping in paper prior to disposal in compliance with local,

MSDS - Material Safety Data Sheet

Vaxsafe[®] MS Vaccine (living)

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 allocated.

OTHER INFORMATION

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

CONTACT POINT

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READ ALL LABELS AND INSTRUCTION LEAFLETS BEFORE USING THIS PRODUCT

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