

MSDS - Material Safety Data Sheet

Vaxsafe[®] IB Vaccine (living)

BIOPROPERTIES Pty. Ltd.

ACN 007 303 728

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WORK HAZARD ASSESSMENT

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

PRODUCT IDENTIFICATION

Product Name: Vaxsafe[®] IB Vaccine (living)
Other Names: IB Vaccine, IB-I Vaccine, Avian Infectious Bronchitis Vaccine (Strain I), IBV (Ingham Strain), Ingham Strain IB Vaccine.
Product Code: 0201 IBI.
AVPMA No: 55222
UN Number: None allocated.
Dangerous Goods Class/Subsidiary Risk: None allocated.
Hazchem Code: None allocated.
Poisons Schedule Number: Not scheduled.
Product Type: Poultry vaccine.
Chemical Family: Active ingredient consists of viable avian Infectious Bronchitis Virus (IBV) that has been freeze-dried in a protective buffer.
Use: As a vaccine to prevent Infectious Bronchitis in chickens.
Method of Use: Administer by drinking water or eye-drop to chickens aged one week or older, to infect all chickens in the vaccinated flock.

PHYSICAL DESCRIPTION AND PROPERTIES

Appearance: A pale pellet of freeze-dried vaccine in a clear glass vial. The white label has an apple-green strip. The closure consists of a silver tear-off aluminium crimp over a grey rubber stopper. Each vial has: 3 mL capacity with a 1-1.5 mL vaccine pellet (containing 1000 or 5000 doses); or 20 mL capacity with a 4-5 mL vaccine pellet (containing 5000 or 10,000 doses).
Flashpoint: Not relevant.
Flammability Limits: Not relevant.
Solubility in Water: Fully miscible.

INGREDIENTS

Chemical Name	CAS #	Proportion by Volume	Worksafe Exposure Limits	
			ES-TWA mg/m ³	ES-STEL mg/m ³
Biological culture fluids (chicken embryo extracts) containing Infectious Bronchitis Virus (IBV)	None allocated	45%	None allocated	None allocated
Other ingredients determined not to be hazardous	None allocated	55%	None allocated	None allocated

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

MSDS - Material Safety Data Sheet

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

- Acute:** No evidence for humans.
Swallowed: No evidence for humans.
Eye: Following direct exposure, individuals allergic to the milk-derived buffer (See Advice to Doctor) may experience immediate irritation and inflammation.
Skin: No evidence for humans.
Inhaled: No evidence for humans.
Chronic: No evidence for humans.

FIRST AID

- Swallowed:** Immediately rinse mouth with generous amounts of clean, fresh water. After rinsing, swallow some clean water.
Eye: Hold eyes open and gently wash material from them with clean running water. Ensure thorough irrigation under eyelids by lifting them. Do not attempt to remove contact lenses unless trained to do so. Seek medical advice if irritation or other symptoms develop.
Skin: Thoroughly wash affected area with soap and water. If irritation occurs, seek medical advice.
Inhaled: If inhaled in any way, remove person to fresh air and observe. Seek medical advice if irritation or other symptoms develop.
First Aid Facilities: No special facilities required.

ADVICE TO DOCTOR:

Infectious Bronchitis is a viral disease of poultry caused by a coronavirus. The active ingredient of Vaxsafe[®] IB Vaccine (living) is viable Infectious Bronchitis Virus (IBV). It is suspended in a physiological buffer containing complex proteins derived from cow's milk. In susceptible individuals, exposure may cause allergy.

The virus has no reported zoonotic potential. Consequently, there is no specific treatment for exposure to IBV.

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 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.

Personal Protection:

- Respirator Type:** Wear a dust mask to prevent splash exposure. Take care when dissolving the pellet in fluid before use.
Glove Type: Wear waterproof gloves that are thin enough to allow good sensitivity of touch.

MSDS - Material Safety Data Sheet

Vaxsafe[®] IB Vaccine (living)

- 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. Wash contaminated clothing and other personal protective equipment with disinfectant before storing or re-using.

Flammability:

- Fire Hazards:** Not flammable under conditions of use.
- Sources of Ignition Advice:** Not relevant.

SAFE HANDLING INFORMATION

Storage and Transport:

- Location:** Store in a deep freeze.
- Security:** Keep the vaccine in a secure place, away from food and children.
- Ventilation:** Not relevant.
- Temperature Conditions:** Store below -18 °C (deep freeze).
- Protection from Weather/Sunlight:** As a general precaution, keep out of direct sunlight during use.
- Storage Incompatibilities:** Store separately to foodstuffs.
- Type of Container/Package:** Clear glass vial with grey rubber stopper and silver tear-off aluminium crimp closure.

Spills and Disposal:

- Clean Up Spills/Leaks:** Treat the affected area with disinfectant or hot water (to inactivate the IBV) while preventing run off from entering drains. If a significant quantity of material enters drains, advise emergency services.
- Precautions for Clean Up Crew:** Take care not to burn yourself or others via splashes of boiling water.
- Disposal Method:** Mop up liquids and sweep up broken containers. Discarded vial/containers should be immediately be placed in a designated and appropriately labelled 'biologicals' container. If this option is not available, bury the vial/container below 500 mm in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and roots.

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.
- Fire-fighting 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

CONTACT POINT

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READ ALL LABELS AND INSTRUCTION LEAFLETS BEFORE USING THIS PRODUCT

WARRANTY AND DISCLAIMER:

Vaxsafe[®] IB Vaccine (living) has been tested and meets safety and potency standards according to the Standards required by the AVPMA. BIOPROPERTIES Pty Ltd accepts no responsibility for events arising from the misuse or mishandling of the product. BIOPROPERTIES Pty Ltd gives no warranty (express or implied) with respect to the product, including without limitation any warranty as to completeness, merchantability or fitness for a particular purpose. Under no circumstances shall BIOPROPERTIES Pty Ltd be liable for indirect, special consequential or punitive damages.