



Date of preparation:  
23 May 2016

## SAFETY DATA SHEET

### Biobos IBR Marker Vaccine

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

<b>Product Name:</b>	<b>Biobos IBR Marker Vaccine</b>
<b>ACVM Registration Number:</b>	A11239
<b>Pack sizes:</b>	<b>100mL</b>
<b>Recommended Use:</b>	Vaccine for cattle containing inactivated Bovine herpesvirus type 1 (BoHV-1)  For active immunisation of cattle to reduce intensity and duration of clinical symptoms caused by infection with Bovine herpesvirus type 1 (IBR) virus and to reduce excretion of the field virus.
<b>Company Details:</b>	AgriHealth NZ Ltd Unit 1.2, 89 Grafton Road, Grafton, Auckland 1010, New Zealand Phone: +64 9 215 1199      Fax: +64 9 984 9455 Website: <a href="http://www.agrihealth.co.nz">www.agrihealth.co.nz</a>
<b>Emergency Telephone:</b>	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111

#### Section 2: Hazards Identification

Classified as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**Biobos IBR Marker Vaccine** is approved pursuant to the HSNO Act 1996, **HSR100757**. The EPA website [www.epa.govt.nz](http://www.epa.govt.nz) should be consulted for the full list of triggered controls and cited regulations.

<b>Hazard Classifications:</b>	6.5B    Skin allergin
	6.7B    Suspected carcinogen

<b>Signal word:</b>	<b>WARNING</b>
<b>Hazard statements:</b>	<p>May cause an allergic skin reaction</p> <p>Suspected of causing cancer</p> <p>Read label before use</p> <p>Keep out of reach of children</p>
<b>Precautionary statements:</b>	<p>Obtain special instructions before use</p> <p>Do not handle until all safety precautions have been read and understood</p> <p>Wear gloves when handling.</p> <p>Wash exposed skin thoroughly after handling</p> <p>Avoid breathing mist or spray</p> <p>Contaminated work clothing should not be allowed out of the workplace</p> <p>Wash contaminated clothing before reuse</p> <p>Store locked up</p> <p>IF ON SKIN: Wash with plenty of soap and water</p> <p>If skin irritation or rash occurs: Get medical advice or attention</p> <p>If exposed or concerned: Get medical advice or attention</p> <p>For advice call the National Poisons Centre 0800 POISON (0800 764 766)</p>

### Section 3: Composition / Information on Ingredients

#### Product Components:

Name	CAS Number	Concentration
Thiomersal	54-64-8	0.01 %
Hydrated aluminium hydroxide	21645-51-2	0.3 %
Beta propiolactone	57-57-8	0.1 %
Non-hazardous components	N/A	99.6 %

N/A = not applicable or not available

### Section 4: First Aid Measures

**First Aid Measures:** For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor, immediately.

General: If medical advice is needed, have product container or label at hand. Wash exposed skin thoroughly after handling.

Avoid breathing mist or spray

Accidental self-injection: Care should be taken to avoid accidental self-injection. If injection occurs, seek medical attention immediately. This product contains an adjuvant. Accidental self-injection may result in pain and swelling, particularly if injected into a joint or finger, and in rare cases could result in the loss of the affected finger if prompt medical attention is not given. If you are accidentally injected with this product, seek prompt medical advice even if only a very small amount is injected, and take the package leaflet with you. If pain persists for more than 12 hours after medical examination, seek medical advice again.

Skin Contact: If skin contact occurs remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation, rash or symptoms occur, consult a doctor.

Eyes: If eye contact occurs, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Ingestion: If swallowed, call the National Poisons Centre 0800 764 766 or a doctor/physician for advice. Do not induce vomiting.

**Workplace Facilities:** No special facilities are required.

**Required Instructions:** Wear protective gloves. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

**Notes for Medical Personnel:** This product contains an adjuvant. Even if small amounts have been injected, accidental injection with this product may cause swelling, which may, for example, result in ischaemic necrosis and even the loss of a digit. Expert, prompt, surgical attention is required and may necessitate early incision and irrigation of the injected area, especially where there is involvement of finger pulp or tendon.

## Section 5: Fire Fighting Measures

**Type of hazard:** Non-flammable

**Fire Hazard Properties:** This material is assumed to be combustible. When heated to decomposition no toxic fumes are emitted.

**Extinguishing Media and Methods:** Water spray, dry powder, carbon dioxide, or foam

**Hazchem Code:** Not known

**Recommended Protective Clothing:** Wear full protective clothing and self-contained breathing apparatus (SCBA)

## Section 6: Accidental Release Measures

**Emergency Procedures:** Wear suitable protective clothing. Restrict access to contaminated area. Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into waterways. Retrieve intact containers from site. Place damaged containers into containment devices. Clean the contaminated area with new sponges soaked in water. Place the spillage including sponges into sealable containers for disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

## Section 7: Handling and Storage

**Precautions for Safe Handling:** Wear protective gloves  
Avoid contact with skin. Care should be taken to avoid self-injection.

**Regulatory Requirements:** An emergency response plan is required when stored in quantities of **1000L** or greater.  
Secondary containment is required when stored in quantities of **1000L** or greater.  
Signage is not required for this substance when stored in any quantity.

**Handling Practices:** Avoid skin contact. Wash hands and exposed skin before meals and after use. Do not eat, drink or smoke while using.  
Wash contaminated clothing before reuse.

**Approved Handlers:** Not required

**Conditions for Safe Storage:** Store at 2 - 8°C. Do not freeze. Store in the original container, away from direct heat or direct sunlight. Keep out of reach of children. Store locked up.

**Packaging:** Store in original container, away from foodstuffs.

## Section 8: Exposure Control / Personal Protection

**Workplace Exposure Standards:** None set

**Application in the Workplace:** Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent contact with skin and eyes, and prevent self-injection.

**Exposure Standards outside the workplace:** None set

**Personal Protection:** Wear protective gloves. Do not eat, drink or smoke when using this product. Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages.

### Section 9: Physical and Chemical Properties

<b>Product Properties:</b>	Appearance:	Pinkish liquid containing sediment that can be easily shaken
	Density:	Not known
	pH:	6.5 – 7.8

### Section 10: Stability and Reactivity

<b>Stability of the Substance:</b>	Stable under normal conditions of use and storage
<b>Conditions to Avoid:</b>	Avoid heat and light
<b>Material to Avoid:</b>	None known
<b>Hazardous Decomposition Properties:</b>	Does not occur
<b>Hazardous Polymerisation:</b>	Does not occur

### Section 11: Toxicological Information

**HSNO Classification:** 6.5B, 6.7B

No data is available for the formulated product. The active ingredients are non-hazardous. The following information relates to excipients.

Thiomersal (HSNO classification 6.5B skin allergen):

Sensitisation:	May cause an allergic skin reaction.
Carcinogen:	Suspected of causing cancer.

### Section 12: Environmental Information

**HSNO Classification:** Not hazardous

### Section 13: Disposal Considerations

**Disposal Information:** Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container.

**Section 14: Transport Information**

<b>Land Transport</b>	Not classified as dangerous goods for transport under NZ Standard 5433:2007 Transport of Dangerous Goods on Land.
<b>Air Transport</b>	Not classified as dangerous goods for transport under International Civil Aviation Organisation and International Air Transport Association regulations
<b>Sea Transport</b>	Not classified as dangerous goods for transport under International Maritime Organisation regulations
<b>UN Number</b>	N/A
<b>Proper Shipping Name</b>	N/A
<b>DG Class</b>	N/A
<b>Subsidiary Risk</b>	N/A
<b>Packing Group</b>	N/A
<b>HAZCHEM Code</b>	N/A
<b>Marine Pollutant</b>	No

The maximum quantity of this substance allowed for carriage on public service vehicles is 100mL.

**Section 15: Regulatory Information**

**Regulatory Status:** Registered pursuant to the ACVM Act 1997, No A11239  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

**HSNO and ACVM Controls:** Refer to section 2

**List Exposure Limits:** None set

An SDS must be provided whenever **1L** of Biobos IBR Marker Vaccine is sold or supplied.

An emergency response plan and secondary containment is required when stored in quantities of **1000L** or greater. Signage is not required for this substance when stored in any quantity.

**Section 16: Other Information**

**Additional Information:** For product information see the AgriHealth website:  
[www.agrihealth.co.nz](http://www.agrihealth.co.nz)

Date of preparation: 23 May 2016

Due for revision within 5 years.

The SDS summarises, at the date of issue, AgriHealth's best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, AgriHealth NZ Ltd 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. AgriHealth NZ Ltd urges the recipient of this SDS to study it carefully to become aware of, and understand, the hazards associated with the product as well as determine the suitability of the information for the intended purpose.