

# SAFETY DATA SHEET

## Bovilis MH + IBR®

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

<b>Product name</b>	<b>Bovilis MH + IBR</b>
<b>Recommended use</b>	Veterinary vaccine used for protection against bovine herpes and Bovine Rhinotracheitis in cattle.
<b>Company details</b>	<b>Schering-Plough Animal Health Ltd</b> <b>33 Whakatiki Street, Upper Hutt 5018, New Zealand</b>  <b>Phone: 0800 800 543 Fax: 0800 808 100</b> <b>Website: www.msd-animal-health.co.nz</b> <b>Hours: 8 am – 5 pm, Mon – Fri</b>
<b>Emergency telephone</b>	<b>0800 764 766 (0800 POISON) 24 hours human health</b> <b>0800 243 622 (0800 CHEMCALL) 24 hours</b>
<b>Date of preparation</b>	April 2019

### Section 2: Hazards Identification

<b>Hazard classifications</b>	6.5B: Contact sensitiser
<b>GHS Pictogram:</b>	
<b>Signal word</b>	Warning
<b>Hazard statement</b>	H317: May cause an allergic skin reaction.
<b>Prevention statement</b>	P102: Keep out of the reach of children. P103: Read label before use. P261: Avoid breathing mist. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves.
<b>Response statement</b>	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P321: See first aid instruction on the label of the product. P362 + P364: Take off contaminated clothing and wash before reuse.
<b>Disposal</b>	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

### Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Inactivated <i>Mannheimia haemolytica</i> isolate Leucotoxin producing strain	-	Varies
Inactivated <i>Mannheimia haemolytica</i> isolate	-	Varies
Inactivated <i>Infectious Bovine Rhinotracheitis</i> (IBR) strain	-	Varies
Thiomersal (Preservative)	54-64-8	<1%

**Section 4: First Aid Measures****Necessary first aid measures**

**ACCIDENTAL SELF-INJECTION** Obtain medical attention - show this SDS. Accidental self-injection may lead to an inflammatory response and medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied.

**SKIN CONTACT** 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.

**EYE CONTACT** 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.

**INGESTION** Rinse mouth and drink a glass of water. Not harmful by ingestion.

**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**

**Accidental self-injection:** Treat symptomatically. Some risk of hypersensitivity from injection. Contains safety tested inactivated bacterial toxins. Contamination of the needle must be considered.

**Workplace facilities**

Emergency showers and eyewashes may be warranted depending on quantity and type of use.

**Section 5: Fire Fighting Measures****Type of hazard**

Not classified as flammable

**Fire hazard properties**

Not applicable

**Regulatory requirements**

Not applicable

**Extinguishing media and methods**

Carbon dioxide (CO<sub>2</sub>), extinguishing powder or water spray

**Hazchem code**

Not applicable

**Recommended protective clothing**

Wear self-contained breathing apparatus (SCBA) plus protective gloves.

**Bovilis MH + IBR<sup>®</sup>****Section 6: Accidental Release Measures**

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Environmental Precautions</b>	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
<b>Emergency procedures</b>	This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. In the event of a major spill, 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.

**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. See Section 8 (Exposure Controls) for additional guidance.
<b>Regulatory requirements</b>	Emergency Plan required where quantities greater than 1000L are present.
<b>Handling practices</b>	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
<b>Certified 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 between 2 and 8°C. DO NOT FREEZE.
<b>Packaging</b>	Not specified

**Section 8: Exposure Control/Personal Protection**

<b>Workplace exposure standards</b>	No WES is set for this substance at this time.
<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 is set for this substance at this time
<b>Personal protection</b>	Wear chemical resistant gloves, facemask or goggles.
<b>Engineering controls</b>	The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White or off-white suspension
<b>Odour</b>	No data; expected to be almost odourless
<b>Odour threshold</b>	No information available
<b>pH</b>	6.8 – 7.4
<b>Boiling Point</b>	Approximately 100°C at 100kPa
<b>Melting/freezing point</b>	Approximately 0°C
<b>Vapour Pressure</b>	2.37 kPa at 20°C (water vapour pressure)
<b>Flash point</b>	Not flammable
<b>Flammability (solid, gas)</b>	Not flammable
<b>Upper/lower flammability or explosive limits</b>	Not flammable
<b>Autoignition temperature</b>	Not applicable – not flammable
<b>Specific Gravity</b>	Approximately 1.0
<b>Solubility (H<sub>2</sub>O)</b>	Completely soluble in water
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available

**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.

**Section 11: Toxicological Information****Effects for individual ingredients only**

<b>Acute toxicity</b>	Thiomersal: (Oral) LD50 40mg/kg/bw (Rat) [EPA NZ]
<b>Aspiration hazard</b>	No information available
<b>Respiratory irritation</b>	No information available
<b>Skin corrosion/irritation</b>	No information available
<b>Serious eye damage/ irritation</b>	No information available
<b>Respiratory or skin sensitisation</b>	Thiomersal: Skin sensitiser [All references from NTP]
<b>Germ cell mutagenicity</b>	No information available
<b>Carcinogenicity</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Specific organ toxicity</b>	No information available
<b>Narcotic effects</b>	No information available

**Section 12: Environmental Information****Effects for individual ingredients only**

<b>Aquatic</b>	Thiomersal: (Lake trout) 48-hr LC50 2.13mg/L
<b>Terrestrial</b>	Thiomersal: (Rat) LD50 40mg/kg/bw [EPA NZ]
<b>Soil</b>	Thiomersal: A benchmark of 0.1 ppm was established for Hg based on the work of Abbasi and Soni (1983). A safety factor of 5 was applied to the 0.5 ppm LOEC because it caused a 65% reduction in earthworm survival. Confidence in this benchmark is low because of the limited amount of data. [R. A. Efrogmson, M. E. Will, G. W. Suter II Oak Ridge National Laboratory - Toxicological Benchmarks for Contaminants of Potential Concern for Effects on Soil and Litter Invertebrates and Heterotrophic Process: 1997 Revision]
<b>Persistence and degradability</b>	No information available
<b>Bioaccumulative</b>	No information available
<b>Mobility in soil</b>	No information available
<b>Other adverse effects</b>	No information available

**Section 13: Disposal Considerations**

<b>Disposal information</b>	<b>Disposal</b> Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.  <b>Container Disposal</b> Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.  <b>Needle Disposal</b> Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container
<b>Reference</b>	Current version of NZS 8409 Management of Agrichemicals

**Section 14: Transport Information**

<b>Relevant information</b>	Not classified as a dangerous good for transport.
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**Section 15: Regulatory Information**

<b>Regulatory status</b>	HSNO Approval Code: HSR100757 For full listings of controls see <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>  ACVM registration number: A011518. For conditions of registration see <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a>
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**RESTRICTED VETERINARY MEDICINE****Section 16: Other Information**

<b>Additional information</b>	Bovilis MH + IBR is a registered trademark.
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