


Section 1: Identification of the Substance and Supplier

| | |
|----------------------------|---|
| Product name | Footvax |
| Recommended use | Vaccine for footrot in sheep. |
| Company details | Schering-Plough Animal Health Ltd 33 Whakatiki Street, Upper Hutt 5018, New Zealand Phone: 0800 800 543 – Fax: 0800 808 100 Website: www.msd-animal-health.co.nz Hours: 8 am – 5 pm, Mon – Fri |
| Emergency telephone | 0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours |
| Date of preparation | April 2019 |

Section 2: Hazards Identification

| | |
|-------------------------------|--|
| Hazard classifications | 6.5B: Contact sensitiser |
| GHS Pictogram: |  |
| Signal word | Warning |
| Hazard statement | H317: May cause an allergic skin reaction. |
| Prevention statement | 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. |
| Response statement | 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 it before reuse. |
| Disposal | 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 |
|--|-------------|---------------|
| <i>Dichelobacter nodosus</i> toxoid (Strain A) | N/A | Varies |
| <i>D. nodosus</i> (Strain B1) | N/A | Varies |
| <i>D. nodosus</i> (Strain B2) | N/A | Varies |
| <i>D. nodosus</i> (Strain C) | N/A | Varies |
| <i>D. nodosus</i> (Strain D) | N/A | Varies |
| <i>D. nodosus</i> (Strain E) | N/A | Varies |
| <i>D. nodosus</i> (Strain F) | N/A | Varies |
| <i>D. nodosus</i> (Strain G) | N/A | Varies |
| <i>D. nodosus</i> (Strain H) | N/A | Varies |
| <i>D. nodosus</i> (Strain I) | N/A | Varies |
| Mineral Oil | 8012-95-1 | 50-60% |
| Mannide Oleate | 104559-19-5 | <10% |
| Thiomersal (Preservative) | 54-64-8 | <1% |

Section 4: First Aid Measures

Necessary first aid measures

ACCIDENTAL SELF-INJECTION If accidental self injection occurs **seek immediate medical attention.** Accidental injection may cause necrosis or vascular spasm. This preparation contains a preservative or antibiotic or both which may cause allergic reactions in susceptible individuals. Take the vaccine package and this SDS with you.

SKIN CONTACT While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

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. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

INHALATION Remove to fresh air and provide oxygen if necessary. 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: Contains inactivated bacterial toxins and oil adjuvant. Contamination of the needle must be considered. Treat symptomatically. Antibiotics and minor surgical debridements may be necessary. Vomiting is contraindicated due to the possibility of aspiration pneumonia. This product is a vaccine.

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 (CO₂), extinguishing powder or water spray.

Hazchem code

Not applicable

Recommended protective clothing

Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Personal Precautions

Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental

Prevent spilled material from flowing onto adjacent land or into streams, ponds, or

Footvax®

| | |
|-----------------------------|---|
| Precautions | lakes. Avoid release to the environment. |
| Emergency procedures | 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

| | |
|--------------------------------------|--|
| Precautions for safe handling | 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. |
| Regulatory requirements | Emergency Plan required where quantities greater than 1000L are present. |
| Handling practices | Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use. |
| Certified handlers | Not required |
| Conditions for safe storage | Store in original container. Keep container sealed when not in use. Keep out of reach of children. |
| Store site requirements | Store away from light between 2°C and 8°C. DO NOT FREEZE. |
| Packaging | PG III (Limited Quantities – Schedule 4) |

Section 8: Exposure Control/Personal Protection

| | |
|---|--|
| Occupational exposure limits | Mineral Oil: TWA 5mg/m ³ (Sampled by a method that does not collect vapour) STEL 10 mg/m ³ |
| Application in the workplace | Ensure adequate ventilation. Keep container sealed when not in use. |
| Exposure standards outside the workplace | No TEL is set for this substance at this time. No EEL is set for this substance at this time. |
| Personal protection | Wear chemical resistant gloves, facemask or goggles. |
| Engineering controls | 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

| | |
|-------------------------|--------------------|
| Appearance | Oily opaque liquid |
| Boiling Point | Not determined |
| Melting/Softening point | Not applicable |
| Vapour Pressure | Not determined |
| Specific Gravity | 1.00 |

SAFETY DATA SHEET

Footvax®

| | |
|-------------------------------|----------------|
| Solubility (H ₂ O) | Emulsifiable |
| Percent Volatiles | Not determined |
| Evaporation Rate | Not determined |

Section 10: Stability and Reactivity

| | |
|---|----------------------------------|
| Stability of the substance | Stable under normal conditions. |
| Conditions to avoid | Avoid high temperatures |
| Material to avoid | Avoid food products |
| Hazardous decomposition products | Carbon oxides (CO _x) |

Section 11: Toxicological Information

Acute effects for individual ingredients only

| | |
|------|--|
| ORAL | Thiomersal: LD50 40 mg/kg/bw (rat) [EPA NZ] |
| TEL | No TEL is set for this substance at this time. |

Chronic/long term effects for individual ingredients only

| | |
|---|--|
| Thiomersal has been documented as a sensitiser. [All references from NTP] | |
|---|--|

Section 12: Environmental Information

Effects for individual ingredients only

| | |
|-----|--|
| EEL | No EEL is set for this substance at this time. |
|-----|--|

Section 13: Disposal Considerations

| | |
|-----------------------------|--|
| Disposal information | <p>Disposal 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.</p> <p>Container Disposal Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.</p> <p>Needle Disposal Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.</p> <p>Reference Current version of NZS 8409 Management of Agrichemicals</p> |
|-----------------------------|--|

Section 14: Transport Information

| | |
|-----------------------------|--|
| Relevant information | Not classified as a dangerous good for transport |
|-----------------------------|--|

Section 15: Regulatory Information

| | |
|--------------------------|---|
| Regulatory status | HSNO Approval Code: HSR000015 For full listings of controls see www.epa.govt.nz ACVM Registration No: A001992 For conditions of registration see www.foodsafety.govt.nz |
|--------------------------|---|

SAFETY DATA SHEET



Footvax®

Page 5 of 5

Section 16: Other Information

Additional information Footvax is a registered trademark.

Schering-Plough Animal Health Ltd known as MSD Animal Health, is a subsidiary of Merck & Co., Inc., Whitehouse Station, NJ, USA. Schering-Plough urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Schering-Plough Animal Health 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. Each individual should make a determination as to the suitability of the information for their particular purpose(s).