

# SAFETY DATA SHEET

## E-SE<sup>®</sup> Injection

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

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | <b>E-SE Injection</b><br>Liquid containing 0.5 - 0.7% sodium selenite  |
| <b>Recommended use</b>     | Veterinary product for the prevention of Myositis (Selenium Tocopherol Deficiency) Syndrome in horses.   |
| <b>Company details</b>     | <b>MSD Animal Health, 33 Whakatiki Street, Upper Hutt</b><br><b>Phone: 0800 800 543 Fax: 0800 808 100</b><br><b>Website: www.msd-animal-health.co.nz</b><br><b>Hours: 8 am – 5 pm, Mon – Fri</b> |
| <b>Emergency telephone</b> | <b>0800 764 766 (0800 POISON) 24 hours human health</b><br><b>0800 243 622 (0800 CHEMCALL) 24 hours</b>  |
| <b>Date of preparation</b> | September 2011   |

### Section 2: Hazards Identification

|                                  |  |
|----------------------------------|--|
| <b>Hazard classifications</b>    | 6.1D, 6.4A, 6.5B, 9.1C, 9.3B   |
| <b>Priority identifiers</b>      | <b>WARNING – Keep out of reach of children</b>   |
| <b>Secondary identifier</b>      | 6.1D May be harmful if swallowed, inhaled or absorbed through the skin.<br>6.4A May cause eye irritation<br>6.5B May cause an allergic skin reaction<br>9.1C Harmful to aquatic organisms with long lasting effects<br>9.3B Toxic to terrestrial vertebrates |
| <b>Risk &amp; Safety Phrases</b> | R43 May cause sensitisation by skin contact  |

### Section 3: Composition/Information on Ingredients

| Chemical name              | CAS number | Concentration |
|----------------------------|------------|---------------|
| D-Alpha tocopheryl acetate | 7695-91-2  | 5%            |
| Sodium selenite            | 10102-18-8 | <1%           |

### Section 4: First Aid Measures

**Necessary first aid measures**

**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. 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. Do not induce vomiting unless under the direction of a qualified medical professional or Poison Control

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Centre. If symptoms persist, consult a doctor.

**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.

|                                    |  |
|------------------------------------|--|
| <b>Required instructions</b>       | For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor. |
| <b>Notes for medical personnel</b> | Inhalation: remove to fresh air & provide oxygen if breathing is difficult             |

### Section 5: Fire Fighting Measures

|  |  |
|--|--|
| <b>Type of hazard</b>                  | Not classified as flammable  |
| <b>Fire hazard properties</b>          | Not applicable   |
| <b>Regulatory requirements</b>         | Not applicable.  |
| <b>Extinguishing media and methods</b> | Carbon dioxide (CO <sub>2</sub> ), extinguishing powder or water spray.      |
| <b>Hazchem code</b>                    | Not applicable   |
| <b>Recommended protective clothing</b> | Wear full protective clothing and self-contained breathing apparatus (SCBA). |

### Section 6: Accidental Release Measures

|                             |   |
|-----------------------------|---|
| <b>Emergency procedures</b> | 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>       | Signage required where quantities greater than 1000L are present. 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>Approved handlers</b>             | Not required   |
| <b>Conditions for safe storage</b>   | Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children.                     |
| <b>Store site requirements</b>       | Store below 25°C.  |
| <b>Packaging</b>                     | PGIII  |

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### Section 8: Exposure Control/Personal Protection

|   |   |
|---|---|
| <b>Workplace exposure standards</b>             | Not applicable.   |
| <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 or EEL are set for this substance at this time               |
| <b>Personal protection</b>                      | Wear chemical resistant gloves, facemask or goggles.                |

### Section 9: Physical and Chemical Properties

|                               |  |
|-------------------------------|--|
| Appearance                    | Clear, light yellow to yellow viscous liquid |
| Boiling Point                 | Not determined                               |
| Melting/Softening point       | Not applicable                               |
| Vapour Pressure               | Not determined                               |
| Specific Gravity              | Not determined                               |
| Solubility (H <sub>2</sub> O) | Soluble                                      |
| Percent Volatiles             | Not determined                               |
| Evaporation Rate              | Not determined                               |

### Section 10: Stability and Reactivity

|   |                                   |
|---|-----------------------------------|
| <b>Stability of the substance</b>       | Stable under normal conditions.   |
| <b>Conditions to avoid</b>              | Avoid high temperatures           |
| <b>Material to avoid</b>                | Avoid food products               |
| <b>Hazardous decomposition products</b> | Carbon oxides (CO <sub>x</sub> ). |

### Section 11: Toxicological Information

#### Acute effects for individual ingredients only

|      |   |
|------|---|
| ORAL | Selenium: LD50 1.0mg/kg (rabbit) [EMEA/MRL/249/97-FINAL October 1997] |
| TEL  | No TEL is set for this substance at this time.                        |

#### Chronic/long term effects for individual ingredients only

Selenium: Human exposure to selenium compounds may be associated with a mutagenic risk. LOAEL 0.25mg/kg/bw/day (rat) [EMEA/MRL/249/97-FINAL October 1997]

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### Section 12: Environmental Information

#### Effects for individual ingredients only

|         |   |
|---------|---|
| AQUATIC | Selenium: R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment [NCLASS] |
| EEL     | No EEL is set for this substance at this time   |

### Section 13: Disposal Considerations

|                             |   |
|-----------------------------|---|
| <b>Disposal information</b> | <b>Disposal</b><br>Dispose of unused contents in a suitable landfill.<br><br><b>Container Disposal</b><br>Dispose of empty container by burying in a suitable landfill, or recycle. |
| <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 |
|-----------------------------|--|

### Section 15: Regulatory Information

|                               |  |
|-------------------------------|--|
| <b>Regulatory status</b>      | ERMA Approval Code: HSR002381<br>For a full controls see <a href="http://www.epa.govt.nz">www.epa.govt.nz</a><br><br>ACVM registration number: A0603.<br>For conditions of registration see <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> |
| <b>HSNO and ACVM controls</b> | <b>Signage:</b> 1000 Litres<br><b>Emergency Plan:</b> 1000 Litres  |

### Section 16: Other Information

|                               |                                 |
|-------------------------------|---------------------------------|
| <b>Additional information</b> | E-SE is a registered trademark. |
|-------------------------------|---------------------------------|

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