

SAFETY DATA SHEET

E-SE[®] Injection

Section 1: Identification of the Substance and Supplier

Product name	E-SE Injection Liquid containing 0.5 - 0.7% sodium selenite
Recommended use	Veterinary product for the prevention of Myositis (Selenium Tocopherol Deficiency) Syndrome in horses.
Company details	Schering-Plough Animal Health Limited 33 Whakatiki Street, Upper Hutt Phone: 0800 800 543 Fax: 0800 808 100 Website: www.spah.co.nz Hours 8am – 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	January 2007

Section 2: Hazards Identification

Hazard classifications	6.1D, 6.4A, 6.5B, 9.1C, 9.3B
Priority identifiers	Warning – Keep out of reach of children
Secondary identifier	6.1D May be harmful if swallowed. 6.4A May cause eye irritation 6.5B May cause an allergic skin reaction 9.1C Harmful to aquatic life with long lasting effects 9.3B Toxic to terrestrial vertebrates
Risk & Safety Phrases	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 Centre. If symptoms persist, consult a doctor.

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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	Inhalation: remove to fresh air & provide oxygen if breathing is difficult
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 ₂), extinguishing powder or water spray.
Hazchem code	2Z
Recommended protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

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. Avoid contamination of any water source or soil with product or empty container.
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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	Signage required where quantities greater than 1,000L are present. Emergency Plan required where quantities greater than 1,000L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Approved handlers	Not required
Conditions for safe storage	Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use.
Store site requirements	Store in a cool, dry, well ventilated area.
Packaging	PGIII

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Section 8: Exposure Control/Personal Protection

Workplace exposure standards	Not applicable.
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL or EEL are 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	Amber viscous liquid
Boiling Point	Not determined
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	Not determined
Solubility (H ₂ O)	Soluble
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).

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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]

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

Disposal information

Disposal

Dispose of this product only by using according to the label, or at an approved landfill, or other approved facility. Avoid contamination of any water source or environment with product or empty container.

Container Disposal

Triple rinse empty container. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill

Reference

Current version of NZS 8409 Management of Agrichemicals.

Section 14: Transport Information

Relevant information

Not classified as a dangerous good for transport

Section 15: Regulatory Information

Regulatory status

ERMA Approval Code: HSR002381
For a full controls see www.ermanz.govt.nz
ACVM registration number: A0603.
For conditions of registration see www.nzfsa.govt.nz/acvm/

HSNO and ACVM controls

Signage: 1,000 Litres
Emergency Plan: 1,000 Litres

Section 16: Other Information

Additional information

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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).