

SAFETY DATA SHEET

Se-Hypo®

Section 1: Identification of the Substance and Supplier

Product name	Se-Hypo Liquid containing 1 - 1.24% sodium selenate (Substance B)
Recommended use	Veterinary product for the treatment of selenium deficiency in cattle and sheep.
Company details	MSD Animal Health, 33 Whakatiki Street, Upper Hutt 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	September 2011

Section 2: Hazards Identification

Hazard classifications	6.1D, 6.4A, 6.5B, 6.6B, 6.9B, 9.1C, 9.2C
Priority identifiers	WARNING – Keep out of reach of children Ecotoxic
Secondary identifier	6.1D May be harmful if swallowed, inhaled or absorbed through the skin 6.4A May cause eye irritation 6.5B May cause an allergic skin reaction 6.6B Suspected of causing genetic defects 6.9B May cause damage to the liver system from repeated oral exposure at high doses 9.1C Harmful to aquatic organisms with long lasting effects 9.2C Harmful to the soil environment
Risk & Safety Phrases	R43 May cause sensitisation by skin contact

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Sodium selenate	13410-01-0	1.2%
Thiomersal (Preservative)	54-64-8	<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 physician. 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 physician. INGESTION Rinse mouth and drink a glass of water. Do not induce vomiting
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unless under the direction of a qualified medical professional or Poison Control Centre. If symptoms persist, consult a physician.

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 physician.

Required instructions For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

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	Not applicable
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 out of reach of children.
Store site requirements	Store away from light. Do not freeze.
Packaging	PG III

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 is set for this substance at this time EEL Not applicable
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	Clear liquid
Boiling Point	100°C
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	1.00
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)

Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	Sodium selenate: LD50 25mg/kg/bw [INCLASS] Thiomersal: LD50 40mg/kg/bw (rat) [ERMANZ]
INHALATION	Sodium selenate: Toxic by inhalation [INCLASS]
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

AQUATIC	Sodium selenate: 96-hr LC50 0.69mg/L (Fathead minnow) [ECOTOX]
EEL	Not applicable

Section 13: Disposal Considerations

Disposal information

Disposal

Dispose of unused contents in a suitable landfill. Avoid contamination of any water source or the environment with product or empty container.

Container Disposal

Dispose of empty vaxipak by puncturing and burying in a suitable landfill. Do NOT burn.

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: HSR002378
For a full controls see www.epa.govt.nz

ACVM registration number: A2003.
For conditions of registration see www.foodsafety.govt.nz

HSNO and ACVM controls

Signage: 1000 Litres
Emergency Plan: 1000 Litres

Section 16: Other Information

Additional information

SE-Hypo is a registered trademark.

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