

SAFETY DATA SHEET

Leventia[®]

Section 1: Identification of the Substance and Supplier

Product name	Leventia
Recommended use	For treatment of hypothyroidism in dogs
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	3.1D, 6.4A, 6.9A
Priority identifiers	WARNING
Secondary identifier	3.1D Combustible liquid. 6.4A May cause eye irritation. 6.9A May cause damage to the endocrine system from repeated oral exposure at high doses.
Risk & Safety Phrases	R20/21/22 Harmful by inhalation, in contact with skin or if swallowed.

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Levothyroxine sodium	6106-07-6	0.1%
Ethanol (96%)	64-17-5	15%

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 with water. DO NOT induce vomiting unless under the direction of a qualified medical professional or Poison Control Centre. If symptoms persist, consult a doctor.

INHALATION Remove affected person promptly to fresh air. If any trouble

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breathing, signs of drunkenness (intoxication or inebriation) or dizziness, nausea or unconsciousness occurs, get immediate medical attention. Administer artificial respiration if breathing has ceased.

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 Combustible (Contains ethanol).

Fire hazard properties Burning can produce carbon monoxide and/or carbon dioxide.

Regulatory requirements Two fire extinguishers are required where quantities greater than 500L are present.

Extinguishing media and methods For large fires use all-purpose-type foams. For small fires use carbon dioxide (CO₂), extinguishing powder or water spray.

Hazchem code 2[Y]

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 with non-combustible absorbent material 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 Signage required where quantities greater than 10,000L are present. Emergency Plan required where quantities greater than 10,000L are present. Two fire extinguishers are required where quantities greater than 500L 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. Keep container sealed when not in use. This product contains high concentrations of Levothyroxine sodium and may present a risk to humans if ingested. If storing in a domestic fridge, keep separate from food. Keep out of reach of children.

Store site requirements Store between 2 - 8°C.Refrigerate. Do not freeze.

Packaging Schedule 4

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Section 8: Exposure Control/Personal Protection

Workplace exposure standards	No WESs are set for this product.
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	TEL – not applicable
Personal protection	Wear chemical resistant gloves, facemask or goggles.

Section 9: Physical and Chemical Properties

Appearance	Clear, colourless to slightly reddish solution
Boiling Point	Not determined
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	1.05
Solubility (H ₂ O)	Soluble
Percent Volatiles	Not determined
Flash Point	>40°C
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	Open flames and extremes of temperature.
Material to avoid	Avoid food products.
Hazardous decomposition products	No dangerous decomposition is expected if used according to manufacturer's specifications.

Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	LD50 >16.5mg/kg (rat);
TEL	No TEL is set for this substance at this time.

Levothyroxine sodium: Adverse effects of thyroid hormones are generally associated with excessive dosage and correspond to the symptoms of hyperthyroidism (palpitations, tachycardia, cardiac arrhythmias, insomnia, sweating, and/or intolerance to heat). All reactions usually disappear on reduction or temporary withdrawal of treatments.

Chronic/long term effects for individual ingredients only

Levothyroxine sodium: NOAEL 1.4mg/kg/bw

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Section 12: Environmental Information

Effects for individual ingredients only

EEL Not applicable

Section 13: Disposal Considerations

Disposal information **Disposal of Product and Container**
Dispose of this product by wrapping with paper and disposing in a suitable landfill.

Section 14: Transport Information

Relevant information Not classified as a DG for transport as contains less than 24% ethanol by volume.

Section 15: Regulatory Information

Regulatory status ACVM Registration No: A10426
For conditions of registration see www.foodsafety.govt.nz

HSNO Approval Code: HSR100426.
For a full listing of controls see www.epa.govt.nz

RESTRICTED VETERINARY MEDICINE

HSNO and ACVM controls **Emergency Plan:** 10,000L
Signage: 10,000L
Number of Fire extinguishers: 2 for 500L

Section 16: Other Information

Additional information Leventa is a registered trademark.

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