# SAFETY DATA SHEET

**Product Name: CORPORAL® Sheep Drench**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

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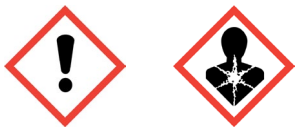
| **Product name:** | Corporal Sheep Drench |
| **Recommended use:** | Combination anthelmintic for the control of levamisole or benzimidazole resistant roundworms, lungworms and adult fluke in lambs and sheep. |
| **Company name:** | Alleva Animal Health Limited |
| **Address:** | 1/116a Harris Road, East Tamaki, Auckland, 2013, New Zealand |
| **Telephone:** | 0064-9-4181405 |
| **Emergency telephone number:** | National Poisons Centre:<br>0800 764 766 (0800 POISON)<br>Fire Service, Ambulance: Dial 111 |
| **Date of Preparation** | 27 February 2025 v3 |
| **Restrictions of Use** | Refer to Section 15 |

## SECTION 2: HAZARDS IDENTIFICATION

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

**EPA Approval Code: Veterinary Medicines (Non-Dispersive Closed System Application) – HSR100758**

**Pictograms**



Irritant Chronic

Signal Word: **DANGER**

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---|---|---|
| Skin sensitisation Cat. 1 | H317 | May cause an allergic skin reaction. |
| Germ cell mutagenicity Cat. 2 | H341 | Suspected of causing genetic defects. |
| Reproductive toxicity Cat. 1 | H360 | May damage fertility or the unborn child. |

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| Specific target organ toxicity – repeated exposure Cat. 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |

| Prevention Code | Prevention Statement |
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| P103 | Read label before use. |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe fume, vapours or spray. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective clothing. |
| P281 | Use personal protective equipment as required. |

| Response Code | Response Statement |
|---|---|
| P314 | Get medical advice/attention if you feel unwell. |
| P363 | Wash contaminated clothing before reuse. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

| Storage Code | Storage Statement |
|---|---|
| P405 | Store locked up. |

| Disposal Code | Disposal Statement |
|---|---|
| P501 | Dispose of according to Local Regulations or Authorities |

## SECTION 3: COMPOSITION

| **Product Components:** | | |
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| **Name** | **CAS #** | **Concentration** |
| Albendozole | 54965-21-8 | 25g/L |
| Levamisole hydrochloride | 16595-80-5 | 37.5g/L |
| Sodium selenate | 13410-01-0 | 1.3g/L |

## SECTION 4: FIRST AID MEASURES

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| **First Aid** | **Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: get medical advice/attention. |

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| | **Eye Contact:** Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.<br><br>**Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.<br><br>**Inhaled:** Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell. |
| **Most important symptoms and effects, both acute and delayed** | **Symptoms:**<br>May cause an allergic skin reaction.<br>Suspected of causing genetic defects.<br>May damage fertility or the unborn child.<br>May cause damage to organs through prolonged or repeated exposure. |

## SECTION 5: FIRE FIGHTING MEASURES

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| **Type of hazard:** | This product is non-flammable, non-combustible and non-explosive. |
| **Fire hazard properties:** | None known |
| **Extinguishing media and methods:** | Use media suitable for surrounding materials. |
| **Hazchem code:** | **None allocated** |
| **Recommended protective clothing:** | Wear protective gear. Do not allow water to enter drains. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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| **Personal Precautions:** | Personnel involved in clean-up should wear appropriate personal protective equipment as detailed in Section 8 to minimise exposure. Restrict access to contaminated area. |
| **Environmental Precautions:** | Prevent material from entering surface water drains or waterways. |

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| **Procedure for Spills:** | Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damage containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. |
| **Procedure for Disposal:** | Contaminated material must be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or empty container. |

## SECTION 7: HANDLING AND STORAGE

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| **Precautions for safe handling:** | • Read label before use.<br>• Obtain special instructions before use.<br>• Do not handle until all safety precautions have been read and understood.<br>• Apply with well-maintained and calibrated equipment.<br>• Do not breathe fume, vapours or spray.<br>• Contaminated work clothing should not be allowed out of the workplace.<br>• Wear protective clothing.<br>• Use personal protective equipment as required. |
| **Conditions for safe storage:** | • Store away from incompatible materials listed in Section 10.<br>• Keep out of reach of children.<br>• Store locked up.<br>• This substance is subject to a requirement for an emergency management plan and secondary containment whenever it is held in quantities of 1000L or more. See Hazardous Substances |

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| | (Emergency Management) regulations 25 to 42.) |

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| | TWA | | STEL | |
|---|---|---|---|---|
| **Substance** | **ppm** | **mg/m³** | **ppm** | **mg/m³** |

No substance has exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices FEB 2025 15th EDITION.

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| **Engineering controls:** | Ensure that ventilation maintains dust levels below WES. |
| **Personal protection:**  | **Respiratory protection:** Not required. Wear respiratory protection if in an area of poor ventilation.<br>**Hand protection:** Clothing should consist of overalls with long sleeves and impervious gloves. Wear protective goggles.<br>**Eye protection:** Wear goggles.Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| **Appearance** | Blue suspension |
| **Odour** | Not available |
| **Odour Threshold** | Not applicable |
| **pH** | 2.5 – 4.0 |
| **Boiling Point** | Not applicable |
| **Melting Point** | Not applicable |
| **Freezing Point** | Not applicable |
| **Flash Point** | Not applicable |
| **Flammability** | Not applicable |
| **Upper and Lower Explosive Limits** | Not applicable |

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|---|---|
| **Vapour Pressure** | Not applicable |
| **Vapour Density** | Not applicable |
| **Specific Gravity** | 1.03 – 1.07 |
| **Solubilities** | Not applicable |
| **Partition Coefficient:** | Not applicable |
| **Auto-ignition Temperature** | Not applicable |
| **Decomposition Temperature** | Not applicable |
| **Kinematic Viscosity** | Not applicable |
| **Particle Characteristics** | Not applicable |

## SECTION 10: STABILITY AND REACTIVITY

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| **Stability of the substance:** | This product is stable under normal conditions. |
| **Conditions to avoid:** | None known. |
| **Material to avoid:** | None known. |
| **Hazardous decomposition products:** | No hazardous products are expected, except when heated to decomposition. |

## SECTION 11: TOXICOLOGICAL INFORMATION

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|---|---|
| **Acute effects:** | |
| **Swallowed**<br>**Dermal**<br>**Inhalation**<br>**Eye**<br>**Skin** | Not applicable.<br>Not applicable.<br>Not applicable.<br>Not applicable.<br>May cause an allergic skin reaction. |
| **Chronic and long-term effects:** | |
| **Reproductive**<br>**Systemic** | May damage fertility or the unborn child. Albendazole may affect development and/or reproduction. |
| **Carcinogenicity** | Not applicable. |
| **Aspiration** | Not applicable. |
| **Germ Cell Mutagenicity** | Suspected of causing genetic defects. Albendazole and Levamisole HCl possibly may cause damage to genetic material. |
| **STOT/RE** | Albendazole possibly may cause organ damage from repeated oral exposure at high doses. Levamisole HCl possibly may |

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| | affect the blood and haematopoietic system. |

Albendazole: Benzimadazoles prevent tubulin polymerization or spindle movement and their administration can result in aneuploidy. They are weak mutagens. Albendazole has low to moderate acute oral toxicity [LD50 (oral, rabbit) 500-1200mg/kg; LD50 (oral, rat) 1320-2400mg/kg; LD50 (oral, mice) >3000 mg/kg] Identified as a potential skin sensitizer by a positive result in a guinea pig maximization test. In repeated oral dose studies toxic effects included reduced weight gain, reduced erythrocyte and leucocyte counts, decreased testes and uterine weights, slight increases in relative liver and kidney weights and sterna bone marrow hypocelluarity (lowest NOAEL 5mg/kg/day. Teratogenicity (visceral, craniofacial and bone defects) has been demonstrated in animal studies (lowest NOAEL was 5mg/kg/day) Levamisole HCl:Levamisole is a broad spectrum anthelmintic with a long history of use in cattle and sheep. It has a moderate to high acute toxicity [LD50(oral, rats & mice) 200-500 mg/kg] A potential mutagen [levamisole induced chromosome gaps and breaks in human lymphocytes in vitro and in vivo and levamisole hydrochloride induced an increase in mitotic index, numerical chromosomal changes (aneuploidy, polyploidy) and structural chromosomal changes] haemolytic anaemic was the main toxic effect demonstrated in repeated dose animal studies (LOAEL 1.25mg/kg/day) In humans,
levamisole has been associated with various non-specific effects (nausea, vomiting, rashes). Levamisole has induced leucopenia and agranulocytosis (idiosyncratic) at low doses.
Sodium selenate [LD50 (oral) 25 mg/kg]

## SECTION 12: ENVIRONMENTAL INFORMATION

This product is not harmful to the environment.

Sodium selenate 96-hr LC50 690µ(fathead minnow)

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|---|---|
| **Persistence and degradability** | No data available |
| **Bioaccumulation** | No data available |
| **Mobility in Soil** | No data available |
| **Other adverse effects** | No data available |

## SECTION 13: DISPOSAL CONSIDERATIONS

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| **Product disposal:** | Preferably dispose of product by use in accordance with label directions.<br>Otherwise dispose of product at an approved landfill, or other approved facility in accordance with local, regional and national regulations.<br><br>Dispose of empty containers by wrapping in paper and putting in garbage for disposal at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with empty container. Used needles and syringes should immediately be placed in a designated and appropriately labelled "sharps" container. |

## SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2020

## SECTION 15: REGULATORY INFORMATION

| **Regulatory status:** | **EPA Approval No:** Veterinary Medicines (Non-Dispersive Closed System Application) – HSR100758 |
|---|---|
| **HSW (HS) Regulations 2017** | **Trigger Quantity** |
| Signage Trigger Quantities (Schedule 3) | Not required |
| Emergency Response Plan (Schedule 5) | 1000L |
| Secondary Containment (Schedule 5) | 1000L |
| Tracking (Schedule 26) | Not required |
| Certified Handlers | Not required |
| Location Certificate | Not required |
| **HSNO Additional Controls (Restrictions of use)** | Use for intended use only |

## SECTION 16: OTHER INFORMATION

Glossary
CAT Category
EC50 Median effective concentration.
EEL Environmental Exposure Limit.
EPA Environmental Protection Authority
HSNO Hazardous Substances and New Organisms.

HSW Health and Safety at Work.
LC50 Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50 Lethal dose to kill 50% of test animals/organisms.
LEL Lower explosive level.
OSHA American Occupational Safety and Health Administration.
TEL Tolerable Exposure Limit.
TLV Threshold Limit Value-an exposure limit set by responsible authority.
UEL Upper Explosive Level
WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. ALLEVA Animal Health Limited makes no warranty with respect hereto and disclaims all liability from reliance thereon.

Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.



Issued Date: 27 February 2025 Review Date: 27 February 2030