

# MATERIAL SAFETY DATA SHEET

## COMPANY DETAILS:

### Western Stock Distributors

17 Rheola Street  
West Perth WA 6005

Telephone: (08) 93212888  
Facsimile : (08) 93224163

## STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of Worksafe Australia.

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## I IDENTIFICATION

Product Name : WSD LOW VOLUME LEVAMISOLE ORAL  
ANTHELMINTIC for SHEEP and CATTLE

Other Names : None

UN No. : None allocated

Dangerous Goods Class : None allocated

Sub Risk Class : None allocated

Packaging Group : None allocated

Hazchem Code : None allocated

Poison Schedule : S5

Chemical Class : Solution of levamisole hydrochloride

Formulation Type : Solution of a pesticide

Uses : **Oral anthelmintic for use in sheep and cattle.**

## Physical appearance & Properties:

Appearance : Clear blue liquid

Boiling point : Greater than 100°C

Vapour pressure (20°C) : Not available

Percentage volatile materials : Not available

Flashpoint (°C) : Does not burn

Specific gravity : 1.00 approximately

Solubility in water : Completely soluble

pH (1% aqueous solution) : 6 - 8

## Ingredients:

Component	CAS No	%(w/v)
Levamisole Hydrochloride	16595-80-5	8
Other ingredients determined not to be hazardous		to 100

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

## **II HEALTH HAZARD DATA**

### **Health Effects:**

No specific data are available for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

No adverse health effects are expected, if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

### **Acute Effects:**

Ingestion: Harmful if swallowed. Levamisole Hydrochloride LD<sub>50</sub> Oral (rat) = 180 mg/kg

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation. May be absorbed through the skin.

Inhalation: This product is not expected to cause respiratory irritation unless present as an aerosol. Inhalation of the mist may produce respiratory irritation.

### **First Aid:**

Ingestion: If swallowed or if symptoms of poisoning develop, contact a doctor or Poisons Information Centre. (Phone: 13 1126)

Eye contact: If this product comes into contact with eyes, hold eyes open and wash with running water for at least 15 minutes. In all cases of eye contamination it is sensible to seek medical advice.

Skin contact: Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Inhalation: Remove the victim from exposure - avoid becoming a casualty. Keep at rest until fully recovered. If the effects persist, seek medical advice.

### **Advice to doctor:**

Treat symptomatically. If ingested, empty the stomach contents. This product contains levamisole hydrochloride at 8% w/v (an anthelmintic) in an aqueous solution.

## **III PRECAUTIONS FOR USE**

### **Always Read and Follow the Label Instructions and Warnings**

Risk Phrases: R22 – Harmful if swallowed.

### **Exposure Standards:**

A Time Weighted Average (TWA) concentration for an 8 hour day/5 day week has not been established for this specific material by Worksafe Australia. There is a blanket recommendation of 10mg/m<sup>3</sup> for inspirable dusts or mists when limits have not been established.

The nature of this product makes it unlikely that this level will be approached under normal use.

The Acceptable Daily Intake (ADI) for Levamisole is set at 3 µg/kg/day. The corresponding No-Observable-Effect-Level (NOEL) is set at 6 mg/kg/day. (Australian ADI List, May 1998).

### **Engineering Controls:**

In industrial situations, air concentrations below the TWA value should be maintained, otherwise use respiratory protection. Natural ventilation should be adequate under normal use conditions. If the air concentration of vapour or mist is high, the process should be modified to reduce the problem.

Keep containers closed when not in use.

**Personal protection:**

Wear cotton overalls buttoned to the neck and wrist, safety boots, eye protection, a washable hat and impervious PVC gloves when using this product. Avoid skin and eye contact. After handling this product, always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing or other personal protective equipment before storing or re-using.

Respiratory Protection: If there is a risk of inhalation of spray mists, wear a mask or respirator meeting the requirements of AS/NZS 1715.

Protective Gloves: Impermeable protective gloves should be worn when using this product. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: It is good industrial practice to always use protective eyewear. For help in selecting suitable equipment, consult AS 1336 and AS/NZS 1337.

**Flammability:**

The product does not burn.

**IV SAFE HANDLING INFORMATION**

Safety Phrases: S20 – When using, do not eat or drink.

S24/25 – Avoid contact with skin or eyes.

**Storage & Transport:**

There are no special storage and transport requirements, as this product has no UN classification. The product is a S5 Scheduled Poison.

Store below 30°C (room temperature) in the closed, original container, in a dry, well-ventilated area, and protect from sunlight. Keep away from extreme heat and open flames.

**Spills and disposals:**

In the event of a major spill, prevent the spillage from entering drains or waterways. Wear overalls, eye protection and impervious gloves to prevent skin and eye contamination.

Stop the leak if safe to do so, and contain the spill using sand or soil. Absorb onto inert material (sand, soil or other inert material). Collect and seal in properly labelled drums for disposal.

After a spill, wash the area, preventing the run-off entering the drain. Wash all contaminated clothing and equipment before re-use.

Dispose of in compliance with Local, State and Federal Regulations.

**Fire/Explosion Hazard:**

There is no risk of an explosion from this material under normal circumstances.

Flammability: This product does not burn

Extinguishing Media: Use an extinguishing media suited to the materials that are burning.

Special Fire fighting Procedures: Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: On decomposition will emit small quantities of carbon dioxide and if combustion is incomplete, carbon monoxide and smoke; nitrogen, possibly oxides of nitrogen; oxides of sulphur; hydrogen chloride gas; and in some circumstances, phosgene. Likely to decompose only after heating to dryness followed by further strong heating.

Materials to avoid: No particular incompatibilities.

## **V OTHER INFORMATION**

### Contact Points:

**Police and Fire Brigade:**

**Dial 000**

**National Poisons Information Centre:**

**Dial 13 1126 (from anywhere in Australia)**

### **SPECIALIST COMPANY ADVICE:-**

**Western Stock Distributors**

**17 Rheola St**

**West Perth WA 6005**

**Phone:- (08) 9321 2888**

**Fax :- (08) 9322 4163**

This Material Safety Data Sheet summarises at the date of issue 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. Each user should read this MSDS 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.

If clarification or further information is needed to insure that an appropriate risk assessment can be made, the user should contact this company.