

# Safety Data Sheet

according to WHS Regulations

Printing date 01.03.2019

Revision: 01.03.2019

## 1 Identification

**Product Name:** CATTLEMAX LV POUR-ON ENDECTOCIDE FOR CATTLE

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Pour-on endectocide for cattle.

**Details of Manufacturer or Importer:**

Landmark Operations Limited  
Suite 3, Level 1, Building B  
11 Talavera Road  
Macquarie Park NSW 2113

**Phone Number:** 02 9889 5400

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Toxic To Reproduction 1B      H360-H362      May damage fertility or the unborn child. May cause harm to breast-fed children.



Acute Toxicity (Oral) 4      H302      Harmful if swallowed.  
Serious Eye Damage/Irritation 2A      H319      Causes serious eye irritation.

**Signal Word** Danger

**Hazard Statements**

H302      Harmful if swallowed.  
H319      Causes serious eye irritation.  
H360-H362      May damage fertility or the unborn child. May cause harm to breast-fed children.

**Precautionary Statements**

P201      Obtain special instructions before use.  
P202      Do not handle until all safety precautions have been read and understood.  
P260      Do not breathe dusts or mists.  
P263      Avoid contact during pregnancy/while nursing.  
P264      Wash hands thoroughly after handling.  
P270      Do not eat, drink or smoke when using this product.  
P280      Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312      IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P330      Rinse mouth.  
P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313      IF exposed or concerned: Get medical advice/attention.  
P337+P313      If eye irritation persists: Get medical advice/attention.  
P405      Store locked up.

(Contd. on page 2)

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P501

Dispose of contents/container in accordance with local/regional/national regulations.

(Contd. of page 1)

### 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 100-51-6	Benzyl alcohol ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332; Serious Eye Damage/Irritation 2A, H319	10 - 20%
CAS: 70288-86-7	Ivermectin ⚠ Acute Toxicity (Oral) 2, H300; Acute Toxicity (Dermal) 3, H311; ⚠ Toxic To Reproduction 1B, H360-H362	1%

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation, drowsiness, dizziness, incoordination and loss of reflexes.

Skin Contact: May cause skin irritation. May cause an allergic reaction in some people.

Eye Contact: Causes serious eye irritation.

Ingestion: Harmful if swallowed. May cause nausea, vomiting, dilated pupils, slowed breathing, drowsiness, tremors and incoordination.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Foam, dry chemical powder, BCF or carbon dioxide. Water fog or spray should only be used for large fires.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, aldehydes, acrolein and other pyrolysis products. Product is combustible.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Product is slippery if spilled. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

(Contd. on page 3)

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(Contd. of page 2)

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Wash spill area with plenty of water.

## 7 Handling and Storage

**Precautions for Safe Handling:**

May damage fertility or the unborn child. May cause harm to breast-fed children. Pregnant or breastfeeding women must not handle this product.

Rags or cloth contaminated with this product have the potential to generate heat and ignite. Do not store contaminated rags or cloth in confined spaces or direct sunlight.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Store in original container. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents.  
Store below 30 °C.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:**

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

(Contd. on page 4)

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(Contd. of page 3)

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	No information available
<b>Odour:</b>	No information available
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Combustible
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	No information available
<b>Relative Density:</b>	No information available
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	No information available
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames and other sources of ignition.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon, aldehydes, acrolein and other pyrolysis products.

## 11 Toxicological Information

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****CAS: 100-51-6 Benzyl alcohol**

Oral	LD <sub>50</sub>	1,230 mg/kg (rat)
Dermal	LD <sub>50</sub>	2,000 mg/kg (rabbit)
	LC <sub>50</sub> /96 h	460 mg/l (fathead minnow)

**Acute Health Effects**

**Inhalation:** May cause respiratory irritation, drowsiness, dizziness, incoordination and loss of reflexes.

**Skin:** May cause skin irritation. May cause an allergic reaction in some people.

**Eye:** Causes serious eye irritation.

**Ingestion:**

Harmful if swallowed. May cause nausea, vomiting, dilated pupils, slowed breathing, drowsiness, tremors and incoordination.

(Contd. on page 5)

# Safety Data Sheet

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(Contd. of page 4)

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:**

May damage fertility or the unborn child.

May cause harm to breast-fed children.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged or repeated contact may cause skin redness and inflammation and allergic dermatitis.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for ivermectin for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2019).

Animal studies have shown this product may cause liver, kidney and nervous system disorders.

## 12 Ecological Information

**Ecotoxicity:** Ivermectin is harmful to aquatic life. Do not contaminate waterways with this product.**Aquatic toxicity:****CAS: 8001-22-7 Soybean oil**LC<sub>50</sub>/96 h >1000 mg/l (fish)EC<sub>50</sub>/72 h 0.4 - 0.6 mg/l (algae)**CAS: 100-51-6 Benzyl alcohol**EC<sub>50</sub>/48 h 230 mg/l (crustacea)EC<sub>50</sub>/72 h 500 mg/l (algae)LC<sub>50</sub>/96 h 10 mg/l (fish)**Persistence and Degradability:** This product has low persistence in water, soil and air.**Bioaccumulative Potential:** This product has a low potential for bioaccumulation.**Mobility in Soil:** This product has low mobility in soil.**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:**

Dispose according to applicable local and state government regulations.

(Contd. on page 6)

# Safety Data Sheet

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Revision: 01.03.2019

**Product Name: CATTLEMAX LV POUR-ON ENDECTOCIDE FOR CATTLE**

(Contd. of page 5)

Triple or (preferably) pressure rinse container into the medicated water/dip/drench etc. Do not dispose of undiluted chemicals on-site. Return clean container for recycling where this is an option or for disposal at a landfill authorized to accept waste. If neither of these options are available, bury the container below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty container should not be burned.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

**14 Transport Information**

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

**15 Regulatory Information****Australian Inventory of Chemical Substances:**

CAS: 8001-22-7 Soybean oil

CAS: 100-51-6 Benzyl alcohol

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

**16 Other Information****Date of Preparation or Last Revision:** 01.03.2019**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 2: Acute toxicity – Category 2

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Acute Toxicity (Dermal) 3: Acute toxicity – Category 3

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Toxic To Reproduction 1B: Reproductive toxicity – Category 1B

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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