

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

## 1 Identification

**Product Name:** CATTLEMAX POUR-ON FOR BEEF AND DAIRY CATTLE**Other Means of Identification:** Mixture**APVMA Number:** 61414**Recommended Use of the Chemical and Restriction on Use:** Animal insecticide**Details of Manufacturer or Importer:**

Nutrien Ag Solutions Limited  
Level 5, Building A, 26 Talavera Road,  
Macquarie Park  
NSW 2113

**Phone Number:** (02) 9889 5400**Emergency telephone number:** 1800 44 88 92

## 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.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



health hazard

Toxic To Reproduction 1B

H360 May damage fertility or the unborn child.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

STOT SE 3

H336 May cause drowsiness or dizziness.

**Signal Word** Danger**Hazard Statements**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H336 May cause drowsiness or dizziness.

**Precautionary Statements**

P201

Obtain special instructions before use.

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P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P370+P378	In case of fire: Use to extinguish: CO <sub>2</sub> , powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

### 3 Composition and Information on Ingredients

#### Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 67-63-0	Propan-2-ol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2, H319; STOT SE 3, H336	>60%
CAS: 70288-86-7	Ivermectin ⚠ Acute Toxicity (Oral) 2, H300; ⚠ Carcinogenicity 2, H351; Toxic To Reproduction 1B, H360-H362	0.5%

### 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 irritation, immediately remove contaminated clothing and wash affected areas with water and soap for 20 minutes. Seek medical attention if symptoms persist.

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**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for 20-30 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.

**Ingestion:**

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

**Symptoms Caused by Exposure:**

Inhalation: May cause mild respiratory irritation, drowsiness and dizziness.

Skin Contact: May cause mild skin irritation.

Eye Contact: Causes serious eye irritation, redness and watering.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation and reddening of the mouth and throat.

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Water fog, foam, dry chemical or carbon dioxide. Alcohol resistant foam is preferred, but if it is not available, normal foam may be used.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, water and smoke.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting entering drains or water courses.

**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 appropriate respiratory protection and protective clothing. 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.

**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 area after spills.

## 7 Handling and Storage

**Precautions for Safe Handling:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.

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.

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**Product Name: CATTLEMAX POUR-ON FOR BEEF AND DAIRY CATTLE**

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**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from oxidising agents.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:****CAS: 67-63-0 Propan-2-ol**

NES	STEL: 1230 mg/m <sup>3</sup> , 500 ppm TWA: 983 mg/m <sup>3</sup> , 400 ppm
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**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

**Respiratory Protection:**

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:**

Viton, nitrile, responder, butyl rubber or PE/EVAL 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.

## 9 Physical and Chemical Properties

**Appearance:****Form:**

Liquid

**Colour:**

Clear pale yellow

**Odour:**

Characteristic alcohol odour

**Odour Threshold:**

No information available

**pH-Value:**

No information available

**Melting point/freezing point:**

No information available

**Initial Boiling Point/Boiling Range:**

82 °C (at 100 kPa)

**Flash Point:**

14 °C (Pensky Martin Closed Cup)

**Flammability:**

Highly flammable.

**Auto-ignition Temperature:**

399 °C

**Decomposition Temperature:**

No information available

**Explosion Limits:****Lower:**

2.7 %

**Upper:**

12.7 %

**Vapour Pressure at 25 °C:**

~6 kPa

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**Product Name: CATTLEMAX POUR-ON FOR BEEF AND DAIRY CATTLE**

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<b>Relative Density:</b>	0.796 - 0.806
<b>Vapour Density:</b>	>1
<b>Evaporation Rate:</b>	<1
<b>Solubility in Water:</b>	Completely soluble
<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, hot surfaces and direct sunlight.**Incompatible Materials:** Oxidising agents.**Hazardous Decomposition Products:** Oxides of carbon, water and smoke.

## 11 Toxicological Information

**Toxicity:****LD50/LC50 Values Relevant for Classification:****CAS: 67-63-0 Propan-2-ol**

Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalation	LC50/4 h	30 mg/l (rat)

**CAS: 70288-86-7 Ivermectin**

Oral	LD50	25 mg/kg (mouse) 50 mg/kg (rat)
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**Acute Health Effects****Inhalation:** May cause mild respiratory irritation, drowsiness and dizziness.**Skin:** May cause mild skin irritation.**Eye:** Causes serious eye irritation, redness and watering.**Ingestion:** Harmful if swallowed. May cause gastrointestinal irritation and reddening of the mouth and throat.**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:**

Isopropyl alcohol is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** May damage fertility or the unborn child.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause drowsiness and dizziness.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

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

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

Prolonged exposure or delayed treatment may cause permanent eye damage. Repeated exposure may cause skin dryness or cracking.

**Existing Conditions Aggravated by Exposure:** No data 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', 2020).

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:****CAS: 67-63-0 Propan-2-ol**

EC50/48 h	100 mg/l (daphnia)
EC50/72 h	100 mg/l (scenedesmus subspicatus)
LC50/96 h	1,400 mg/l (bluegill)
	9,640 mg/l (fathead minnow)
LC50/48 h	8,970 mg/l (golden orfe)

**CAS: 70288-86-7 Ivermectin**

LC50/96 h	0.0048 ppm (bluegill)
	0.003 ppm (rainbow trout)
LC50/48 h	0.000025 ppm (daphnia)

**Persistence and Degradability:** This product is biodegradable.**Bioaccumulative Potential:** This product will not accumulate in soil or water.**Mobility in Soil:** Ivermectin binds strongly to soil particles. It has limited solubility and 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.**Special Precautions for Landfill or Incineration:**

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

## 14 Transport Information

**UN Number**

ADG, IMDG, IATA

UN1219

**Proper Shipping Name**

ADG, IMDG, IATA

ISOPROPANOL (ISOPROPYL ALCOHOL)

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**Dangerous Goods Class****ADG Class:** 3 Flammable liquids.**Packing Group:****ADG, IMDG, IATA** II**Marine pollutant:** Yes**EMS Number:** F-E,S-D**Hazchem Code:** •2YE**Limited Quantities:** 1L**Packagings & IBCs - Packing Instruction:** P001, IBC02**Portable Tanks & Bulk Containers - Instructions:** T4**Portable Tanks & Bulk Containers - Special Provisions:** TP1**15 Regulatory Information****Australian Inventory of Chemical Substances:**

CAS: 67-63-0 Propan-2-ol

CAS: 70288-86-7 Ivermectin

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

Poisons Schedule: 5

**16 Other Information****Date of Preparation or Last Revision:** 28.09.2020**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

LC50: Lethal concentration, 50 percent

LD50: 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)

Flammable Liquids 2: Flammable liquids – Category 2

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

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

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

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

Carcinogenicity 2: Carcinogenicity – Category 2

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Data altered compared to the previous version:**

Section 1: Details of Manufacturer or Importer.

Section 1: Phone Number.

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Section 1: Emergency telephone Number.

Section 7: Precautions for Safe Handling.

Section 11: Toxicity.

Section 11: Reproductive Toxicity.

Section 11: Additional Toxicological Information.

### **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 - May 2018"

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