CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
FOR ANIMAL TREATMENT ONLY

ACTIVE CONSTITUENT: IVERMECTIN 5mg/mL

For the treatment and control of ivermectin sensitive internal and external parasites of cattle.

PASTORAL AG
IVERMECTIN
Pour-On for Cattle

TITAN AG Pty Ltd  ABN 57 122 081 574
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INDICATIONS: PASTORAL AG Ivermectin Pour-On for Cattle contains ivermectin, a member of the macrocyclic lactone family of drenches. For the treatment and control of ivermectin-sensitive gastrointestinal nematodes (including inhibited immature Ostertagia ostertagi, lungworms (Dictyocaulus viviparus), eyeworms (Damalinia var. bovis), sucking and biting lice, chorioptic and sarcoptic mange mites, bufflo flies (Haematobia irritans exigua) and cattle licks (Bisphosphus micrurus).

PRODUCT DESCRIPTION: PASTORAL AG Ivermectin Pour-On for Cattle is a ready-to-use solution of ivermectin for cattle. The avermectins are potent broad-spectrum antiparasitic agents that act via a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells. This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarisation of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also be effective against certain insects via the same mechanism of action. Some species of tick are highly resistant to ivermectin.

Pour-On for Cattle is not recommended for use in species other than cattle. Treatment should not be repeated in less than 42 days. PASTORAL AG Ivermectin Pour-On for Cattle applied at the recommended dose rate of 500 μg ivermectin/kg bodyweight is indicated for the effective treatment and control of the following harmful parasites of cattle:

Gastrointestinal roundworms: For the control of adult and immature (L₃): Ostertagia ostertagi - Small brown stomach worm (including inhibited stages); Haemonchus placei - Barber's pole worm; Trichostrongylus axei - Stomach hair worm; T. colubriformis - Intestinal hair worm; Cooperia spp. - Small intestinal worm; Oesophagostomum radiatum - Nodule worm; and adult stages of: Cooperia oncophora, C. punctata, Oesophagostomum venulosum, Trichuris spp. - Whip worm, Strongylus papillosus, external Threadworm; and immature stages of: Nematomuridae spp. - Thin Necked Intestinal Worm L₁.

Lungworm: Adult and immature - Dictyocaulus viviparus

Eyeworm: Thelazia spp. - Adult stages

Sucking and Biting Lice: Linognathus vituli, Haematopinus eurysternus, Bovicola (Damasiniovis, Solenopotes capillatus

Mites: Chorioptes bovis, Sarcoptes scabiei var. bovis

Bufflo Flies: Haematobia irritans exigua

Cattle lice: Bisphosphus micrurus or organisms containing organophosphate, synthetic pyrethroid- and amine-resistant strains or effective ivermectin efficacy. Once achieved 4-5 days after treatment. Engorged female licks that drop from cattle in the initial days after treatment may lay viable eggs. This should be taken into account when planning a strategic lice control program. PASTORAL AG Ivermectin Pour-On for Cattle should be alternated with conventional dips or pour-ons when the program requires repeat treatments. DO NOT retreat with PASTORAL AG Ivermectin Pour-On for Cattle in less than the meat withholding period of 42 days.

PERSISTENT ACTIVITY: PASTORAL AG Ivermectin Pour-On for Cattle applied at the recommended dose of 1 mL per 10 kg bodyweight-controls infections of Trichostrongylus axei (stomach hairworm) and Cooperia spp. (small intestinal worm) for up to 14 days after treatment; Ostertagia spp. (small brown stomach worm) and Oesophagostomum radiatum (nodule worm) for up to 21 days after treatment; Dictyocaulus viviparus (lungworm) for up to 28 days after treatment; Haematobia irritans exigua (buffalo fly) for up to 21 days after treatment. Resistance may develop to any chemical. For best results PASTORAL AG Ivermectin Pour-On for Cattle should be part of a complete parasite control program, including internal and external parasiticide. Consult your veterinarian for a complete parasite control program.

DOSEAGE AND ADMINISTRATION: PASTORAL AG Ivermectin Pour-On for Cattle is for external application to cattle only at the line of demarcation between the withers and the tailhead. Dose the mob according to the heaviest animal by bodyweight in the group (cows, bulls, calves, heifers, etc.). DO NOT underdose. A representative sample of animals should be weighed with either scales or a weighband before treatment. Where there is a large variation in size within the group, draft into two or more lines based on bodyweight, to avoid excessive overdosing.

Studies have demonstrated a wide safety margin in the use of ivermectin. Based on plasma levels, the topically applied formulation is expected to be less than 50 kg over 650kg. Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL WITHOUT AUTHOURED UNDER APPROPRIATE LEGISLATION.

WITHOLDING PERIODS:
MEAT: DO NOT USE less than 42 days before slaughter for human consumption.
MILK: Zero (0) days.

TRADE ADVICE – EXPORT Slaughter INTERVAL (ESI): DO NOT USE less than 42 days before slaughter for export. The ESI on this label was correct at the time of label approval. Before using this product, confirm the current ESI from the manufacturer on (02) 9999 6655 or the APVMA website (www.apvma.gov.au/residues).

Precautions: Use only in well-ventilated areas or outdoors. Close container when not in use. Cattle should not be treated when hair or hide is wet since reduced efficacy may be experienced. Rain falling on or in less than 2 hours after dosing may result in reduced efficacy. Caudalness may result when PASTORAL AG Ivermectin Pour-On for Cattle is stored at temperatures below 0°C. Allowing to warm at room temperature will restore the normal appearance without affecting efficacy. The antiparasitic activity may be nullified in cattle that are treated to an extent where there is a large variation in size within the group, draft into two or more lines based on bodyweight, to avoid excessive overdosing. This product is for application to the skin surface only, do not give orally or parenterally. PASTORAL AG Ivermectin Pour-On for Cattle is recommended for use in species other than cattle. Treatment should not be repeated in less than 42 days.

SAFETY TO Cattle: Studies have demonstrated a wide safety margin in the use of ivermectin. Based on plasma levels, the topically applied formulation is expected to be less than 50 kg over 650kg. Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

SAFETY DIRECTIONS: Poisonous if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. If product on skin, immediately wash area with soap and water. If product in eyes, wash it immediately with water. Wash hands after use.

FIRST AID: If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131120, New Zealand 0800 764 766.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT: Ivermectin is extremely toxic to aquatic species. DO NOT contaminate dams, rivers, streams or other waterways with the chemical or used container.

DISPOSAL: Store below 25°C (aer conditioning). Unused product should be discarded if not used within 6 months of initially opening the container.

SAFETY DATA SHEET. Additional information is listed in the material safety data sheet (MSDS). A safety data sheet for PASTORAL AG Ivermectin Pour-On for Cattle is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit www.pastoralag.com.au

CONDITIONS OF SALE: PASTORAL AG Pour-On for Cattle is for external application to cattle only at the line of demarcation between the withers and the tailhead. Dose the mob according to the heaviest animal by bodyweight in the group (cows, bulls, calves, heifers, etc.). DO NOT underdose. A representative sample of animals should be weighed with either scales or a weighband before treatment. Where there is a large variation in size within the group, draft into two or more lines based on bodyweight, to avoid excessive overdosing.

The ESI on this label was correct at the time of label approval. Before using this product, confirm the current ESI from the manufacturer on (02) 9999 6655 or the APVMA website (www.apvma.gov.au/residues).

PRECAUTIONARY STATEMENTS: Keep away from heat/hotkeys/open flames/hot surfaces.— No smoking. Use explosion proof electrical/ventilating/lighting/ equipment. Avoid breathing dust/fume/gas/mist/vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Rinse mouth. In case of fire: Use for extinguition: CO₂, powder or water spray. Smoke locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national regulations.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Highly flammable liquid and vapour. Harmful if swallowed. Causes serious eye irritation. May damage fertility or the unborn child. May cause dryness or dizziness. Precareation Statements: Keep away from heat/hotkeys/open flames/hot surfaces.— No smoking. Use explosion proof electrical/ventilating/lighting/ equipment. Avoid breathing dust/fume/gas/mist/vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Rinse mouth. In case of fire: Use for extinguition: CO₂, powder or water spray. Smoke locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national regulations.

UN 1219 (ISO) PROPANOL (ISOPROPYL ALCOHOL)

Flammable Liquid, N.O.S.

Hazchem: 2IyE

PG II

DANGER – GIVES OFF HIGHLY FLAMMABLE VAPOUR KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME AND OTHER SOURCES OF IGNITION. KEEP CLOSED WHEN NOT IN USE