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**MATERIAL SAFETY DATA SHEET**

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**Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

**Product Name:** Tribrisseen Piglet Suspension

**Product Code:** 60440 (200mL)

**Recommended Use:** For the treatment and prevention of bacterial scours caused by organisms sensitive to trimethoprim and sulfadiazine in piglets and puppies.

**Company Identification:** Jurox Pty Limited

**Address:** 85 Gardiner Road  
Rutherford NSW 2320  
Australia

**Customer Centre:** 1800 023 312

**National Poisons Information Centre:** 131 126 (Australia-wide)

**Emergency Telephone Number:** 1800 023 312 (Monday – Friday, 9.00 a.m. – 5.00 p.m).

**Section 2: HAZARDS IDENTIFICATION**

**Hazard Classifications:** Considered a Hazardous Substance according to the criteria of NOHSC Australia.  
  
Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

**Poisons Schedule:** S4

**Risk phrases:** Harmful if swallowed  
Irritating to eyes, respiratory system and skin  
May cause SENSITISATION by inhalation and skin contact  
Possible risk of impaired fertility  
Skin contact may produce health damage (limited evidence)  
Cumulative effects may result following exposure (limited evidence)  
Limited evidence of a carcinogenic effect  
May be harmful to the foetus/embryo (limited evidence)

**Safety phrases:** Do not breathe vapours  
Avoid exposure – obtain special instructions before use  
Use water to clean the floor and all objects contaminated by this material  
Keep away from food, drink and animal feeding stuffs  
In case of contact with eyes, rinse with plenty of water and contact a Doctor or Poisons Information Centre  
If swallowed, IMMEDIATELY contact a Doctor or Poisons Information Centre (show the APVMA-approved label)

**Section 3: COMPOSITION / INFORMATION on INGREDIENTS**

INGREDIENT	CAS No.	CONTENT
Sulfadiazine	68-35-9	4.5%
Trimethoprim	738-70-5	0.9%
Water	7732-18-5	to 100%

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**Section 4: FIRST AID MEASURES**

- First Aid Measures:** Consult the National Poisons Centre on 131126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand.
- Inhalation:** Unlikely to be an inhalation problem with normal use of the 200 mL product. If vapours or combustion products are inhaled of the bulk product, remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult, give oxygen. Seek medical assistance immediately.
- Ingestion:** If swallowed refer for medical attention where possible without delay. Rapidly absorbed from the gastrointestinal tract. May result in nausea, vomiting and possibly convulsions. Sensitisation reactions may occur in susceptible individuals. If medical attention is not immediately available induce vomiting (ONLY IF CONSCIOUS). Lean patient forward or place on left side (head-down position if possible) to maintain open airway and prevent aspiration. Rinse mouth. Keep subject warm and at rest. If vomiting occurs, maintain a clear and open airway. For advice, contact the National Poisons Centre on 131126. Seek medical assistance immediately. Show this SDS to a medical practitioner.
- Skin:** If skin contact occurs, wash affected area thoroughly with plenty of soap and water for at least 15 minutes. If skin irritation or rash occurs, get medical advice/attention. Remove and wash / dispose of contaminated clothing promptly.
- Eye:** If eye contact occurs, rinse cautiously with water for at least 15 minutes. Continue rinsing. If eye irritation persists, get medical advice/attention.
- Advice to Doctor:** Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

- Flash Point:** Not combustible.
- Hazardous Combustion Products:** If involved in a fire, may emit noxious and irritant fumes. Not considered to be a significant fire risk.
- Extinguishing Media:** There is no restriction on the type of extinguisher which can be used. Use extinguishing media suitable for the surrounding area.
- Protective Equipment:** Breathing apparatus and protective gloves. For large fires use gas-tight chemical resistant suit and breathing apparatus.
- HAZCHEM Code:** None specified.

**Section 6: ACCIDENTAL RELEASE MEASURES**

- Spills and Disposal:** Avoid breathing vapours and contact with skin and eyes. For minor spills, contain and absorb with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labelled container for waste disposal. In the event of a large spill, wear appropriate protective clothing. Contain spill with sand, earth or vermiculite and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill or refer to the relevant Land Waste Management Authority.
- Protective Clothing:** For large spills, wear breathing apparatus and protective gloves.
- Environmental Precautions:** Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

**Section 7: HANDLING AND STORAGE**

- Handling:** This is a Schedule 4 (Prescription Animal Remedy) product, available only to or through a veterinarian. Handle this product with care to avoid exposure, taking all recommended precautions. Avoid breathing vapours and contact with skin and eyes. Wash hands after use. Use other personal protective equipment as required.

<b>Storage:</b>	Keep out of reach of children. Store below 25°C (Air conditioning). Protect from light. Store in a dry well ventilated place. Store away from foodstuffs and foodstuff containers.
<b>Other Information:</b>	Always read the APVMA-approved label before use. See label for further information on handling and storage.

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits:</b>	Not applicable for normal use of the 200 mL product. No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood. When handling the bulk product avoid inhaling vapours and contact with skin and eyes.
<b>Protective Equipment:</b>	Not applicable for normal use of the 200 mL product. Protective rubber gloves, chemical goggles with or without face shield and protective clothing (laboratory coat for quantities under 500 g, disposable laboratory coat or coverall buttoned at collar and cuffs for quantities under 1 kg, disposable coverall and disposable shoe covers for quantities over 1 kilogram. Full body suits may be required for manufacturing operations, with access to an eye wash unit and emergency shower.
<b>Engineering Controls:</b>	Not applicable for normal use of the 200 mL product. Enclosed local exhaust ventilation is usually required at points of vapour generation with large scale quantities.
<b>Hygiene Precautions:</b>	As for good veterinary and farm practice.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Off-white, farly viscous suspension.
<b>Specific Gravity:</b>	Approx. 1.05
<b>Solubility in Water:</b>	Miscible
<b>Flash Point:</b>	Not combustible
<b>pH:</b>	6.5 – 8.0

### Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	When stored appropriately this product should show no significant degradation for at least 60 months from the date of manufacture
<b>Hazardous Polymerisation:</b>	Not known to occur.
<b>Materials to Avoid:</b>	Avoid strong acids and bases.

### Section 11: TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	May produce respiratory discomfort. May cause SENSITISATION by inhalation.
<b>Ingestion:</b>	Rapidly absorbed from the gastrointestinal tract. May result in headache, nausea, vomiting and sensitisation reactions (in susceptible individuals). Sulfonamides and their derivatives can cause extensive kidney damage and destroy red blood cells. Overdose may cause an accumulation of acid in the blood or low blood glucose level with resultant confusion and coma. <b>Sulfadiazine:</b> Oral LD <sub>50</sub> = 1500 mg/kg (mouse). <b>Trimethoprim:</b> Oral LD <sub>50</sub> = 2764 mg/kg (mouse); Oral TDLo = 60 mg/kg (human).
<b>Skin:</b>	May produce skin discomfort. May produce inflammation of the skin on contact in some individuals. May produce photosensitisation. May produce systemic effects on absorption through broken skin.
<b>Eye:</b>	May cause eye irritation.
<b>Chronic Effects:</b>	Due to the presence of sulfadiazine, prolonged or repeated exposure may lead to sensitisation reactions in some individuals. Substance accumulation may occur. Prolonged oral treatment with sulfonamides has caused nausea, vomiting, gastrointestinal disturbances and effects on the liver, kidney, pancreas, nervous system and the blood.

- Reproductive Toxicity:** Sulfonamides cross the placental barrier and are excreted in the breast milk. They may produce adverse effects in the foetus / embryo and newborn, including loss of certain white blood cells causing immune function deficiency, anaemia, jaundice and kernicterus. Exposure to trimethoprim for prolonged periods may cause physical defects in the developing embryo.
- Mutagenicity:** Trimethoprim is possibly mutagenic.
- Carcinogenicity:** There is limited evidence of the carcinogenicity of some sulfonamides.

### Section 12: ECOLOGICAL INFORMATION

- Ecotoxicity:** Trimethoprim may cause long-term adverse effects in the aquatic environment
- Trimethoprim:** Algal  $EbC_{50}$  (72 hr): 70 mg/L (*Selenastrum capricornutum*),  
 $EC_{50}$  (48 hr): > 100 mg/L Water flea (*Daphnia magna*)  
Fish NOEC (72 hr): 100 mg/L Zebrafish
- Bioaccumulation:** None of the ingredients are known to be highly bioaccumulative.

### Section 13: DISPOSAL INFORMATION

- Product Disposal:** Dispose of product only by using according to the APVMA-approved label or by approved waste collection.
- Container Disposal:** Wrap with paper and place in garbage.

### Section 14: TRANSPORT INFORMATION

- Dangerous Goods Classification:** Not classed as a Dangerous Good for transport purposes by road, sea or air.

### Section 15: REGULATORY INFORMATION

APVMA Registration No: 36121

### Section 16: OTHER INFORMATION

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.