

## TSO Oral Suspension

Oral solution  
(FOR VETERINARY USE ONLY)

### COMPOSITION

Sulfadiazine (as sodium) ..... 400 mg/ml  
Trimethoprim ..... 80 mg/ml

### PRODUCT DESCRIPTION

TSO is a light brownish color liquid with white particle suspension.

### PHARMACODYNAMICS

Sulfadiazine (SDZ) inhibits the incorporation of para-aminobenzoic acid into folic acid and trimethoprim (TMP) inhibits the enzyme dihydrofolate reductase (DHFR) which converts dihydrofolic acid into tetrahydrofolic acid. (TMP) and SDZ act together synergistically with a double-blockade mode of action. The combination is bactericidal inhibiting sequential steps in the synthesis of purines which are required for DNA synthesis. TMP-SDZ combination has a broad and bactericidal action against many gram-positive and gram-negative aerobic bacteria, a large proportion of anaerobic bacteria, chlamydia, and protozoa..

### PHARMACOKINETICS

Both active substances are absorbed well and distributed throughout the body. Excretion occurs mainly via the urine.

### INDICATIONS

**Swine:** For the treatment and control of diseases sensitive to trimethoprim/sulfadiazine in pigs, in particular the respiratory disease complex.

**Chickens:** For the treatment and control of diseases sensitive to trimethoprim/sulfadiazine in chickens, in particular enteric and respiratory bacterial infections.

### CONTRA-INDICATIONS

Do not use in animals with known hypersensitivity to the active ingredient. Do not use in birds producing eggs for human consumption.

### ADMINISTRATION & DOSAGE

Oral administration through drinking water.

**Swine:** The recommended dose is 15 mg combined actives/kg bodyweight. This is equivalent to 0.03125 ml of the product/kg bodyweight daily. Feed for 5 consecutive days.

**Chickens:** The recommended dose is 30 mg combined actives/kg bodyweight daily. This is equivalent to 0.0625ml of the product/kg bodyweight daily. Feed for 5 to 10 consecutive days. Treatment must not be continued for more than 5 days.

### INTERACTION WITH OTHER MEDICAMENTS

None known

### PREGNANCY AND LACTATION

Do not feed to laying poultry

### SIDE EFFECT

None known

### OVERDOSE AND TREATMENT

Do not exceed the stated dose

### WITHDRAWAL TIME

Animals and birds must not be slaughtered for human consumption during treatment.

Pigs may be slaughtered for human consumption only after 10 days from the last treatment.

Chickens may be slaughtered for human consumption only after 5 days from the last treatment. Not to be used in chickens producing eggs for human consumption.



SHENNONG ANIMAL HEALTH (M) SDN BHD (441647-X)

神農動物保健(馬)有限公司

No. 2, 4, 6, 8 & 10, Jalan Industri USJ 1/19, Taman Perindustrian USJ 1, 47610 Subang Jaya, Selangor, Malaysia.

## **WARNING AND PRECAUTIONS**

Sulphonamides may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact. Hypersensitivity to sulphonamides may lead to cross reactions with other antibiotics. Allergic reactions to these substances may occasionally be serious. Do not handle this product if you know you are sensitive to sulphonamides. If you develop symptoms following exposure such as a skin rash, you should seek medical advice and show the doctor this warning. Avoid direct contact with skin and eyes. Wash hands after use. If contact occurs, wash affected area with copious amounts of water.

- Keep medicine out of reach of children.
- Jauhkan ubat dari kanak-kanak.

## **SHELF LIFE**

24 months from date of manufacture. Finish treatment within 24 hours after first opened of container. To be consume with 12 hours after dilution.

## **STORAGE**

Store in room temperature (below 25 °C).

## **PACKAGING**

Product is filled in plastic bottle of 1000 ml, sealed with aluminum foil and aluminum screw cap, fitted guarantee plastic cap.

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