

caused by *Escherichia coli*; bacterial pneumonia and bovine respiratory disease complex (shipping fever complex) associated with *Pasteurella* spp.; acute metritis and acute mastitis caused by *Streptococcus* spp.

(3) *Limitations.* Administer orally; repeat in 48 hours if necessary; milk taken from animals within 96 hours (8 milkings) of latest treatment must not be used for food; do not administer within 18 days of slaughter; discontinue use if hematuria, crystalluria or severe depression are noticed; if signs persist after 2 or 3 days consult a veterinarian.

[47 FR 30243, July 13, 1982, as amended at 62 FR 63270, Nov. 28, 1997]

**§ 520.2184 Sodium sulfachloropyrazine monohydrate.**

(a) *Chemical name.* 2-Sulfamido-6-chloroxyrazine, sodium.

(b) *Sponsor.* See Nos. 010042 in § 510.600(c) of this chapter.

(c) *Related tolerances.* See § 556.625 of this chapter.

(d) *Conditions of use.* It is used in the drinking water of broilers, breeder flocks, and replacement chickens as follows:

(1) *Amount.* 0.03 percent.

(2) *Indications for use.* Treatment of coccidiosis.

(3) *Limitations.* Administer in drinking water for 3 days as sole source of drinking water and sulfonamide medication; withdraw 4 days prior to slaughter; not to be administered to chickens producing eggs for human consumption.

[40 FR 13838, Mar. 27, 1975, as amended at 50 FR 41489, Oct. 11, 1985; 54 FR 12188, Mar. 24, 1989; 55 FR 8460, Mar. 8, 1990; 64 FR 15684, Apr. 1, 1999]

**§ 520.2200 Sulfachlorpyridazine oral dosage forms.**

**§ 520.2200a Sulfachlorpyridazine bolus.**

(a) *Chemical name.* N'-6-(Chloro-3-pyridazinyl) sulfanilamide.

(b) *Specifications.* Melting point range: 190° C to 191° C.

(c) *Sponsor.* See No. 053501 in § 510.600(c) of this chapter.

(d) *Related tolerances.* See § 556.630 of this chapter.

(e) *Conditions of use.* It is used in calves as follows:

(1) *Amount.* 30 to 45 milligrams per pound body weight per day.

(2) *Indications for use.* Treatment of diarrhea caused or complicated by *E. coli* (colibacillosis).

(3) *Limitations.* Administer in a bolus containing 2 grams of sulfachlorpyridazine for 1 to 5 days in divided doses twice daily; treated calves must not be slaughtered for food during treatment or for 7 days after the last treatment.

[40 FR 13838, Mar. 27, 1975, as amended at 50 FR 41489, Oct. 11, 1985]

**§ 520.2200b Sulfachlorpyridazine medicated milk and drinking water.**

(a) *Chemical name.* N'-(6-Chloro-3-pyridazinyl) sulfanilamide.

(b) *Specifications.* Melting point range: 190 °C to 191 °C.

(c) *Sponsor.* See No. 053501 in § 510.600(c) of this chapter.

(d) *Related tolerances.* See § 556.630 of this chapter.

(e) *Conditions of use.* It is used as follows:

(1) *Calves*—(i) *Amount.* 30 to 45 milligrams per pound body weight per day.

(ii) *Indications for use.* Treatment of diarrhea caused or complicated by *E. coli* (colibacillosis).

(iii) *Limitations.* Administer as the sodium salt of sulfachlorpyridazine in milk or milk-replacer formulations for 1 to 5 days in divided doses twice daily; treated calves must not be slaughtered for food during treatment or for 7 days after the last treatment.

(2) *Swine*—(i) *Amount.* 20 to 35 milligrams per pound body weight per day.

(a) *Indications for use.* Treatment of diarrhea caused or complicated by *E. coli* (colibacillosis).

(b) *Limitations.* Administer as the sodium salt of sulfachlorpyridazine in drinking water for 1 to 5 days; for individual treatment, administer orally in divided doses twice daily; treated swine must not be slaughtered for food during treatment or for 4 days after the last treatment.

(ii) *Amount.* 20 to 35 milligrams per pound body weight per day.

(a) *Indications for use.* Treatment of diarrhea caused or complicated by *E. coli* (colibacillosis).

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(b) *Limitations.* Administer individually in an oral suspension containing 50 milligrams of sulfachlorpyridazine per milliliter in divided doses twice daily for 1 to 5 days; treated swine must not be slaughtered for food during treatment or for 4 days after the last treatment.

[40 FR 13838, Mar. 27, 1975, as amended at 50 FR 41489, Oct. 11, 1985]

**§ 520.2200c Sulfachlorpyridazine tablets.**

(a) *Specifications.* Sulfachlorpyridazine tablets contain 250 milligrams of sulfachlorpyridazine per tablet.

(b) *Sponsor.* See No. 053501 in § 510.600(c) of this chapter.

(c) *Conditions of use.* (1) The drug is used in dogs as a broad spectrum antibacterial agent to aid in the treatment of infectious tracheobronchitis and infections caused by *E. coli*. It can also be used in the treatment of infections caused by other gram-positive and gram-negative organisms that are susceptible to sulfonamide therapy.

(2) It is administered orally at a dosage level of 500 milligrams per 10 to 15 pounds of body weight daily, in two or three divided doses.

(3) The administration of the drug should be discontinued if a response is not noted within 7 to 10 days.

(4) Federal law restricts this drug to use by or on the order of a licensed veterinarian.

[43 FR 36622, Aug. 18, 1978, as amended at 50 FR 41489, Oct. 11, 1985]

**§ 520.2220 Sulfadimethoxine oral dosage forms.**

**§ 520.2220a Sulfadimethoxine oral solution and soluble powder.**

(a) *Approvals.* (1) For oral solution containing 12.5 percent (3.75 grams per ounce) sulfadimethoxine, see Nos. 000010, 000069, 051259, 057561, and 059130 in § 510.600(c).

(2) For soluble powder, each package containing the equivalent of 94.6 grams of sulfadimethoxine (as the sodium salt), see Nos. 000069, 051259, 057561, and 059130 in § 510.600(c).

(b) *Special considerations.* Chickens and turkeys that have survived fowl

cholera outbreaks should not be kept for replacements or breeders.

(c) *Related tolerances.* See § 556.640 of this chapter.

(d) *Conditions of use.* The oral solution is administered as a cattle drench or diluted as directed to prepare drinking water. The powder is used to prepare a drench or drinking water. The concentrations and uses of the various solutions are as follows:

(1) *Broiler and replacement chickens only.* (i) *Amount.* 1.875 (0.05 percent) grams per gallon.

(ii) *Indications for use.* Treatment of disease outbreaks of coccidiosis, fowl cholera, and infectious coryza.

(iii) *Limitations.* Administer for 6 consecutive days; do not administer to chickens over 16 weeks of age; as sole source of drinking water and sulfonamide medication; as sulfadimethoxine solution or sulfadimethoxine soluble sodium salt; withdraw 5 days before slaughter.

(2) *Meat-producing turkeys only—*(i) *Amount.* 0.938 (0.025 percent) grams per gallon.

(ii) *Indications for use.* Treatment of disease outbreaks of coccidiosis and fowl cholera.

(iii) *Limitations.* Administer for 6 consecutive days; do not administer to turkeys over 24 weeks of age; as sole source of drinking water and sulfonamide medication; as sulfadimethoxine solution or sulfadimethoxine soluble sodium salt; withdraw 5 days before slaughter.

(3) *Dairy calves, dairy heifers, and beef cattle only—*(i) *Amount.* 1.18 to 2.36 (0.031 to 0.062 percent) grams per gallon.

(ii) *Indications for use.* Treatment of shipping fever complex, bacterial pneumonia, calf diphtheria, and foot rot.

(iii) Administer 2.5 grams per 100 pounds of body weight for first day, then 1.25 grams per 100 pounds of body weight per day for the next 4 consecutive days; in drinking water or drench; available as a sulfadimethoxine soluble powder or a 12.5 percent sulfadimethoxine sodium solution (3.75 grams sulfadimethoxine per fluid ounce); if no improvement within 2 to 3 days, reevaluate diagnosis; do not treat