

**PART 573—FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS**

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573.320	Diammonium phosphate.
573.340	Diatomaceous earth.
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573.380	Ethoxyquin in animal feeds.
573.400	Ethoxyquin in certain dehydrated forage crops.
573.420	Ethyl cellulose.
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573.460	Formaldehyde.
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573.520	Hemicellulose extract.
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573.540	Hydrolyzed leather meal.
573.560	Iron ammonium citrate.
573.580	Iron-choline citrate complex.
573.600	Lignin sulfonates.
573.620	Menadione dimethylpyrimidinol bisulfite.
573.625	Menadione nicotinamide bisulfite.
573.640	Methyl esters of higher fatty acids.
573.660	Methyl glucoside-coconut oil ester.
573.680	Mineral oil.
573.685	Natamycin.
573.700	Sodium nitrite.
573.720	Petrolatum.
573.740	Odorless light petroleum hydrocarbons.
573.750	Pichia pastoris dried yeast.
573.760	Poloxalene.
573.780	Polyethylene.
573.800	Polyethylene glycol (400) mono- and diolate.
573.820	Polyoxyethylene glycol (400) mono- and diolates.
573.840	Polysorbate 60.
573.860	Polysorbate 80.
573.870	Poly(2-vinylpyridine-co-styrene).

573.880	Normal propyl alcohol.
573.900	Pyrophyllite.
573.914	Salts of volatile fatty acids.
573.920	Selenium.
573.940	Silicon dioxide.
573.960	Sorbitan monostearate.
573.980	Taurine.
573.1000	Verxite.
573.1010	Xanthan gum.
573.1020	Yellow prussiate of soda.

AUTHORITY: 21 U.S.C. 321, 342, 348.

SOURCE: 41 FR 38652, Sept. 10, 1976, unless otherwise noted.

**Subpart A [Reserved]**

**Subpart B—Food Additive Listing**

**§ 573.120 Acrylamide-acrylic acid resin.**

Acrylamide-acrylic acid resin (hydrolyzed polyacrylamide), only for the purposes of this section as described below, may be safely used in accordance with the following prescribed conditions:

(a) The additive is produced by polymerization of acrylamide with partial hydrolysis, or by copolymerization of acrylamide and acrylic acid with the greater part of the polymer being composed of acrylamide units.

(b) The additive meets the following specifications:

(1) A minimum molecular weight of 3 million.

(2) Viscosity range: 3,000 to 6,000 centipoises at 77 °F in a 1 percent aqueous solution as determined by LVF Brookfield Viscometer or equivalent using a number 6 spindle at 20 r.p.m.

(3) Residual acrylamide: Not more than 0.05 percent.

(c) It is used as a thickener and suspending agent in nonmedicated aqueous suspensions intended for addition to animal feeds.

[41 FR 38652, Sept. 10, 1976, as amended at 45 FR 38058, June 6, 1980]

**§ 573.130 Aminoglycoside 3'-phosphotransferase II.**

The food additive aminoglycoside 3'-phosphotransferase II may be safely used in the development of genetically modified cotton, oilseed rape, and tomatoes in accordance with the following prescribed conditions:

(a) The food additive is the enzyme aminoglycoside 3'-phosphotransferase II (CAS Reg. No. 58943-39-8) which catalyzes the phosphorylation of certain aminoglycoside antibiotics, including kanamycin, neomycin, and gentamicin.

(b) Aminoglycoside 3'-phosphotransferase II is encoded by the *kan<sup>r</sup>* gene originally isolated from transposon Tn5 of the bacterium *Escherichia coli*.

(c) The level of the additive does not exceed the amount reasonably required for selection of plant cells carrying the *kan<sup>r</sup>* gene along with the genetic material of interest.

[59 FR 26711, May 23, 1994]

**§ 573.140 Ammoniated cottonseed meal.**

The food additive ammoniated cottonseed meal may be safely used in accordance with the following conditions:

(a) The food additive is the product obtained by the treatment of cottonseed meal with anhydrous ammonia until a pressure of 50 pounds per square inch gauge is reached.

(b) It is used or intended for use in the feed of ruminants as a source of protein and/or as a source of nonprotein nitrogen in an amount not to exceed 20 percent of the total ration.

(c) To assure safe use, the label and labeling of the additive and of any feed additive supplement, concentrate, or premix prepared therefrom shall bear, in addition to the other information required by the act, the following:

(1) The name of the additive.

(2) The maximum percentage of equivalent crude protein from the nonprotein nitrogen.

(3) Directions for use to provide not more than 20 percent of the additive in the total ration.

(4) A statement:

(i) That not more than one-third of the total protein in the feed should come from nonprotein nitrogen sources.

(ii) That the additive is not to be given to debilitated or starved animals.

(iii) "Warning—This feed should be used only in accordance with directions furnished on the label."

[41 FR 38652, Sept. 10, 1976, as amended at 42 FR 52397, Sept. 30, 1977]

**§ 573.160 Ammoniated rice hulls.**

The food additive ammoniated rice hulls may be safely used in accordance with the following prescribed conditions:

(a) The food additive is the product obtained by the treatment of ground rice hulls with monocalcium phosphate and anhydrous ammonia at a temperature of 350 °F and a pressure of 175 pounds per square inch.

(b) It is used or intended for use in the feed of beef cattle as a source of crude fiber and as the sole source of nonprotein nitrogen in an amount not to exceed 20 percent of the total ration.

(c) To assure safe use of the additive, the label and labeling of the additive and of any feed additive supplement, feed additive concentrate, or feed additive premix prepared therefrom, shall contain, in addition to other information required by the act, the following:

(1) The name of the additive.

(2) The maximum percentage of equivalent crude protein from the nonprotein nitrogen.

(3) Directions for use to provide not more than 20 percent of the additive in the total ration, and a prominent statement: "Warning—This feed should be used only in accordance with the directions furnished on the label."

**§ 573.180 Anhydrous ammonia.**

(a) The food additive anhydrous ammonia is applied directly to corn plant material and thoroughly blended prior to ensiling. It is used or intended for use as a source of nonprotein nitrogen in cattle feed in accordance with paragraphs (a)(1), (2), or (3) as follows:

(1)(i) The food additive anhydrous ammonia is applied as a component of an aqueous premix containing 16 to 17 percent ammonia, with molasses, minerals, and not less than 83 percent crude protein. The premix is a source of nonprotein nitrogen and minerals.

(ii) In addition to the requirements of paragraph (b) of this section, the labeling shall bear an expiration date of not more than 10 weeks after date of manufacture; a statement that additional protein should not be fed to lactating dairy cows producing less than 32 pounds of milk per day nor beef cattle consuming less than 1 percent of body weight daily in shelled corn; and a