(3) Sodium mono- and dimethyl naphthalene sulfonates (mol. wt. 245–260) may be used in the steam/scald vacuum peeling of tomatoes at a level not to exceed 0.2 percent in the condensate or scald water.

(4) Substances identified in this paragraph (a)(4) for use in flume water for washing sugar beets prior to the slicing operation and subject to the limitations as are provided for the level of the substances in the flume water:

Substance	Limitations
α-Alkyl-*omega*-hydroxypoly-(oxyethylene) produced by condensation of 1 mole of C_{11}-$C4863_{15}$ straight chain randomly substituted secondary alcohols with an average of 9 moles of ethylene oxide.	Not to exceed 3 ppm.
Linear undecylbenzenesulfonic acid.	Do.
Dialkanolamide produced by condensing 1 mole of methyl laurate with 1.05 moles of diethanolamine.	Not to exceed 2 ppm.
Triethanolamine	Do.
Ethylene glycol monobutyl ether	Not to exceed 1 ppm.
Oleic acid conforming with § 172.860 of this chapter.	Do.
Tetrapotassium pyrophosphate	Not to exceed 0.3 ppm.
Monoethanolamine	Do.
Ethylene dichloride	Not to exceed 0.2 ppm.
Tetrasodium ethylenediaminetetraacetate.	Not to exceed 0.1 ppm.

(5) Substances identified in this paragraph (a)(5) for use on fruits and vegetables that are not raw agricultural commodities and subject to the limitations provided:

Substances	Limitations
Hydrogen peroxide	Used in combination with acetic acid to form peroxyacetic acid. Not to exceed 59 ppm in wash water.
1-Hydroxyethylidene-1,1-diphosphonic acid.	May be used only with peroxyacetic acid. Not to exceed 4.8 ppm in wash water.
Peroxyacetic acid	Prepared by reacting acetic acid with hydrogen peroxide. Not to exceed 80 ppm in wash water.

(b) The chemicals are used in amounts not in excess of the minimum required to accomplish their intended effect.

(c) The use of the chemicals listed under paragraphs (a)(1), (a)(2), and (a)(4) is followed by rinsing with potable water to remove, to the extent possible, residues of the chemicals.

(d) To assure safe use of the additive:

(1) The label and labeling of the additive container shall bear, in addition to the other information required by the act, the name of the additive or a statement of its composition.

(2) The label or labeling of the additive container shall bear adequate use directions to assure use in compliance with all provisions of this section.

[42 FR 14526, Mar. 15, 1977, as amended at 42 FR 29856, June 10, 1977; 42 FR 32229, June 24, 1977; 43 FR 54926, Nov. 24, 1978; 61 FR 46376, 46377, Sept. 3, 1996; 63 FR 7069, Feb. 12, 1998; 64 FR 38564, July 19, 1999]

§ 173.320 Chemicals for controlling microorganisms in cane-sugar and beet-sugar mills.

Agents for controlling microorganisms in cane-sugar and beet-sugar mills may be safely used in accordance with the following conditions:

(a) They are used in the control of microorganisms in cane-sugar and/or beet-sugar mills as specified in paragraph (b) of this section.

(b) They are applied to the sugar mill grinding, crusher, and/or diffuser systems in one of the combinations listed in paragraph (b) (1), (2), (3), or (5) of this section or as a single agent listed in paragraph (b) (4) or (6) of this section. Quantities of the individual additives in parts per million are expressed in terms of the weight of the raw cane or raw beets.

(1) Combination for cane-sugar mills:

	Parts per million
Disodium cyanodithioimidocarbonate	2.5
Ethylenediamine	1.0
Potassium *N*-methyldithiocarbamate	3.5

(2) Combination for cane-sugar mills:

	Parts per million
Disodium ethylenebisdithiocarbamate	3.0
Sodium dimethyldithiocarbamate	3.0

(3) Combinations for cane-sugar mills and beet-sugar mills:

	Parts per million
(i) Disodium ethylenebisdithiocarbamate	3.0
Ethylenediamine	2.0
Sodium dimethyldithiocarbamate	3.0
(ii) Disodium cyanodithioimidocarbonate	2.9

	Parts per million
Potassium *N*-methyldithiocarbamate	4.1

(4) Single additive for cane-sugar mills and beet-sugar mills.

	Parts per million
2,2-Dibromo-3-nitrilopropionamide (CAS Reg. No. 10222–01–2). *Limitations:* Byproduct molasses, bagasse, and pulp containing residues of 2,2-dibromo-3-nitrilopropionamide are not authorized for use in animal feed.	Not more than 10.0 and not less than 2.0.

(5) Combination for cane-sugar mills:

	Parts per million
n-Dodecyl dimethyl benzyl ammonium chloride	0.05±0.005
n-Dodecyl dimethyl ethylbenzyl ammonium chloride	0.68±0.068
n-Hexadecyl dimethyl benzyl ammonium chloride	0.30±0.030
n-Octadecyl dimethyl benzyl ammonium chloride	0.05±0.005
n-Tetradecyl dimethyl benzyl ammonium chloride	0.60±0.060
n-Tetradecyl dimethyl ethylbenzyl ammonium chloride	0.32±0.032

Limitations. Byproduct molasses, bagasse, and pulp containing residues of these quaternary ammonium salts are not authorized for use in animal feed.

(6) Single additive for beet-sugar mills:

	Parts per million
Glutaraldehyde (CAS Reg. No. 111–30–8).	Not more than 250.

(c) To assure safe use of the additives, their label and labeling shall conform to that registered with the Environmental Protection Agency.

[42 FR 14526, Mar. 15, 1977, as amended at 47 FR 35756, Aug. 17, 1982; 50 FR 3891, Jan. 29, 1985; 57 FR 8065, Mar. 6, 1992]

§ 173.322 Chemicals used in delinting cottonseed.

Chemicals may be safely used to assist in the delinting of cottonseed in accordance with the following conditions:

(a) The chemicals consist of one or more of the following:

(1) Substances generally recognized as safe for direct addition to food.

(2) Substances identified in this paragraph and subject to such limitations as are provided:

Substances	Limitations
alpha-Alkyl-*omega*-hydroxypoly-(oxyethylene) produced by condensation of a linear primary alcohol containing an average chain length of 10 carbons with poly(oxyethylene) having an average of 5 ethylene oxide units.	May be used at an application rate not to exceed 0.3 percent by weight of cottonseeds to enhance delinting of cottonseeds intended for the production of cottonseed oil. Byproducts including lint, hulls, and meal may be used in animal feed.
An alkanomide produced by condensation of coconut oil fatty acids and diethanolamine, CAS Reg. No. 068603–42–9.	May be used at an application rate not to exceed 0.2 percent by weight of cottonseeds to enhance delinting of cottonseeds intended for the production of cottonseed oil. Byproducts including lint, hulls, and meal may be used in animal feed.

[47 FR 8346, Feb. 26, 1982]

§ 173.325 Acidified sodium chlorite solutions.

Acidified sodium chlorite solutions may be safely used in accordance with the following prescribed conditions:

(a) The additive is produced by mixing an aqueous solution of sodium chlorite (CAS Reg. No. 7758–19–2) with any generally recognized as safe (GRAS) acid.

(b)(1) The additive is used as an antimicrobial agent in poultry processing water in accordance with current industry practice under the following conditions:

(i) As a component of a carcass spray or dip solution prior to immersion of the intact carcass in a prechiller or chiller tank;

(ii) In a prechiller or chiller solution for application to the intact carcass;

(iii) As a component of a spray or dip solution for application to poultry carcass parts;

(iv) In a prechiller or chiller solution for application to poultry carcass parts; or

(v) As a component of a post-chill carcass spray or dip solution when applied to poultry meat, organs, or related parts or trim.

(2) When used in a spray or dip solution, the additive is used at levels that result in sodium chlorite concentrations between 500 and 1,200 parts per