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TITLE 21--FOOD AND DRUGS

CHAPTER I--FOOD AND DRUG ADMINISTRATION, DEPARTMENT OF HEALTH AND HUMAN SERVICES (CONTINUED)

PART 173--SECONDARY DIRECT FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION--Table of Contents

Subpart D--Specific Usage Additives

Sec. 173.315 Chemicals used in washing or to assist in the lye peeling of fruits and vegetables.

Chemicals may be safely used to wash or to assist in the lye peeling of fruits and vegetables in accordance with the following conditions:

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

(1) Substances generally recognized as safe in food or covered by prior sanctions for use in washing fruits and vegetables.

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

Substances	Limitations
A mixture of alkylene oxide adducts of alkyl alcohols and phosphate esters of alkylene oxide adducts of alkyl alcohols consisting of: <greek-a>-alkyl (C<INF>12-C<INF>18)-omega-hydroxy-poly (oxyethylene) (7.5-8.5 moles)/poly (oxypropylene) block copolymer having an average molecular weight of 810; <greek-a>-alkyl (C<INF>12-C<INF>18)-omega-hydroxy-poly (oxyethylene) (3.3-3.7 moles) polymer having an average molecular weight of 380, and subsequently esterified with 1.25 moles phosphoric anhydride; and <greek-a>-alkyl (C<INF>10-C<INF>12)-omega-hydroxypoly (oxyethylene) (11.9-12.9 moles)/poly (oxypropylene) copolymer, having an average molecular weight of 810, and subsequently esterified with 1.25 moles phosphoric anhydride.	May be used at a level not to exceed 0.2 percent in lye-peeling solution to assist in the lye peeling of fruit and vegetables.
Aliphatic acid mixture consisting of valeric, caproic, enanthic, caprylic, and pelargonic acids.	May be used at a level not to exceed 1 percent in lye peeling solution to assist in

the lye peeling of fruits and vegetables.

Polyacrylamide..... Not to exceed 10 p.p.m. in wash water. Contains not more than 0.2 percent acrylamide monomer.

Potassium bromide.....

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Sodium n-alkylbenzene-sulfonate (alkyl group predominantly C<INF>12 and C<INF>13 and not less than 95 percent C<INF>10 to C<INF>16). Not to exceed 0.2 percent in wash water. May be used in washing or to assist in the lye peeling of fruits and vegetables.

Sodium dodecylbenzene-sulfonate (alkyl group predominantly C<INF>12 and not less than 95% C<INF>10 to C<INF>16). Do.

Sodium 2 ethyl-hexyl sulfate..... Do.

Sodium hypochlorite..... .....

Sodium mono- and di-methyl naphthalene sulfonates (mol. wt. 245-260). Not to exceed 0.2 percent in wash water. May be used in the washing or to assist in the lye peeling of fruits and vegetables.

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(3) Substances identified in this paragraph (a)(3) 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
<greek-a>-Alkyl-omega-hydroxypoly-(oxyethylene) produced by condensation of 1 mole of C<INF>11-C<INF>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 Sec. 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.

(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 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]