

# C O D E X   A L I M E N T A R I U S   C O M M I S S I O N



**Food and Agriculture  
Organization of  
the United Nations**



**World Health  
Organization**

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**Agenda Item 4b)**

**CX/FO 11/22/05**

## **JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON FATS AND OILS**

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### **CODE OF PRACTICE FOR THE STORAGE AND TRANSPORT OF EDIBLE FATS AND OILS IN BULK**

#### **DRAFT LIST OF ACCEPTABLE PREVIOUS CARGOES <sup>1</sup> (At Step 7 of the Procedure)**

#### **Notes**

- (1) Where it is not possible to transport edible fats and oils in bulk in tankers reserved for foodstuffs only, the possibility of contamination incidents is reduced by carriage in tankers in which the previous cargo is included in the list below.<sup>2</sup>Application of this list must be combined with: good design of the system; adequate cleaning routines; and, effective inspection procedures (see Section 2.1.3 of the Code).
- (2) Previous cargoes not on the list are only acceptable if they are agreed upon by the competent authorities of the importing country (see section 2.1.3 of the Code).
- (3) The list below is not necessary a final list but is subject to review and possible amendment to take account of scientific or technical developments. Additional substances are being considered for inclusion in the list and may be included as acceptable following an appropriate risk assessment. This should include consideration of:
  - Toxicological properties, including genotoxic and carcinogenic potential (account may be taken of the opinions of JECFA or other recognised bodies);
  - Efficacy of cleaning procedures between cargoes;
  - Dilution factor in relation to the potential amount of residue of the previous cargo and any impurity which the previous cargo might have contained, and the volume of oil or fat transported;
  - Solubility of possible contaminating residues;
  - Subsequent refining/processing of the oil or fat;
  - Availability of analytical methods for the detection of trace amounts of residues or for verifying the absence of contamination; and,
  - Reactivity of oils/fats with contaminating residues.

<sup>1</sup> For reference only (ALINORM 07/30/17, APPENDIX IV)

<sup>2</sup> This list is currently under development.

## List of acceptable previous cargoes

Substance (synonyms)	CAS Number
Acetic acid (ethanoic acid; vinegar acid; methane carboxylic acid)	64-19-7
Acetic anhydride (ethanoic anhydride)	108-24-7
Acetone (dimethylketone; 2-propanone)	67-64-1
Acid oils and fatty acid distillates - from animal, marine and vegetable fats and oils	
Ammonium hydroxide (ammonium hydrate; ammonia solution; aqua ammonia)	1336-21-6
Ammonium polyphosphate	68333-79-9
Animal, marine and vegetable oils and fats (including hydrogenated oils and fats) - other than cashew shell nut oil and tall oil	
Beeswax – white	8006-40-4
Beeswax – yellow	8012-89-3
Benzyl alcohol (pharmaceutical and reagent grades)	100-51-6
1,3-Butanediol (1,3-butylene glycol)	107-88-0
1,4-Butanediol (1,4-butylene glycol)	110-63-4
Butyl acetate, n-	123-86-4
Butyl acetate, sec-	105-46-4
Butyl acetate, tert-	540-88-5
Calcium chloride solution	10043-52-4
Calcium lignosulphonate liquid (lignin liquor; sulphite lye)	8061-52-7
Candelilla wax	8006-44-8
Carnauba wax (Brazil wax)	8015-86-9
Cyclohexane (hexamethylene; hexanaphthene; hexahydrobenzene)	110-82-7
Ethanol (ethyl alcohol; spirits)	64-17-5
Ethyl acetate (acetic ether; acetic ester; vinegar naphtha)	141-78-6
2-Ethylhexanol (2-ethylhexy alcohol)	104-76-7
Fatty acids	
Arachidic acid (eicosanoic acid)	506-30-9
Behenic acid (docosanoic acid)	112-85-6
Butyric acid (n-butyric acid; butanoic acid; ethyl acetic acid; propyl forinic acid)	107-92-6
Capric acid (n-decanoic acid)	334-48-5
Caproic acid (n-hexanoic acid)	142-62-1
Caprylic acid (n-octanoic acid)	124-07-2
Erucic acid (cis-13-docosenoic acid)	112-86-7
Heptoic acid (n-heptanoic acid)	111-14-8
Lauric acid (n-dodecanoic acid)	143-07-7
Lauroleic acid (dodecenoic acid)	4998-71-4
Linoleic acid (9,12-octadecadienoic acid)	60-33-3
Linolenic acid (9,12,15-octadecatrienoic acid)	463-40-1
Myristic acid (n-tetradecanoic acid)	544-63-8
Myristoleic acid (n-tetradecenoic acid)	544-64-9
Oleic acid (n-octadecenoic acid)	112-80-1
Palmitic acid (n-hexadecanoic acid)	57-10-3
Palmitoleic acid (cis-9-hexadecenoic acid)	373-49-9
Pelargonic acid (n-nonanoic acid)	112-05-0
Ricinoleic acid (cis-12-hydroxy octadec-9-enoic acid; castor oil acid)	141-22-0
Stearic acid (n-octadecanoic acid)	57-11-4

<b>Substance (synonyms)</b>	<b>CAS Number</b>
Valeric acid (n-pentanoic acid; valerianic acid)	109-52-4
Fatty alcohols	
Butyl alcohol (1-butanol; butyric alcohol)	71-36-3
Caproyl alcohol (1-hexanol; hexyl alcohol)	111-27-3
Capryl alcohol (1-n-octanol; heptyl carbinol)	111-87-5
Cetyl alcohol (alcohol C-16; 1-hexadecanol; cetylic alcohol; palmityl alcohol; n-primary hexadecyl alcohol)	36653-82-4
Decyl alcohol (1-decanol)	112-30-1
Iso decyl alcohol (isodecanol)	25339-17-7
Enanthyl alcohol (1-heptanol; heptyl alcohol)	111-70-6
Lauryl alcohol (n-dodecanol; dodecyl alcohol)	112-53-8
Myristyl alcohol (1-tetradecanol; tetradecanol)	112-72-1
Nonyl alcohol (1-nonanol; pelargonic alcohol; octyl carbinol)	143-08-8
Iso nonyl alcohol (isononanol)	27458-94-2
Oleyl alcohol (octadecenol)	143-28-2
Stearyl alcohol (1-octadecanol)	112-92-5
Tridecyl alcohol (1-tridecanol)	27458-92-0
Fatty acid esters – combination of above fatty acids and fatty alcohols	
e.g. Butyl myristate	110-36-1
Cetyl stearate	110-63-2
Oleyl palmitate	2906-55-0
Fatty alcohol blends	
Cetyl stearyl alcohol (C16-C18)	67762-27-0
Lauryl myristyl alcohol (C12-C14)	
Formic acid (methanoic acid; hydrogen carboxylic acid)	64-18-6
Glycerine (glycerol, glycerin)	56-81-5
Heptane	142-82-5
n-Hexane	110-54-3
Iso-butyl acetate	110-19-0
Iso-octyl alcohol (isooctanol)	26952-21-6
Iso-propyl alcohol (isopropanol; dimethyl carbinol; 2-propanol)	67-63-0
Limonene (dipentene)	138-86-3
Magnesium chloride solution	7786-30-3
Methanol (methyl alcohol)	67-56-1
Methyl ethyl ketone (2-butanone; MEK)	78-93-3
Methyl isobutyl ketone (4-methyl-2-pentanone; iso propylacetone; MIBK)	108-10-1
Methyl tertiary butyl ether (MBTE)	1634-04-4
Molasses	57-50-1
Montan wax	8002-53-7
Pentane	109-66-0
Petroleum wax (parafin wax)	8002-74-2
Phosphoric acid (ortho phosphoric acid)	7664-38-2

Potable water – only acceptable where the immediate previous cargo is also on the list	7732-18-5
Polypropylene glycol	25322-69-4
Potassium hydroxide solution (caustic potash)	1310-58-3
Propyl acetate	109-60-4
Propyl alcohol (propane-1-ol; 1-propanol)	71-23-8

<b>Substance (synonyms)</b>	<b>CAS Number</b>
Propylene glycol, 1,2- (1,2-propylene glycol; propan-1,2-diol; 1,2-dihydroxypropane; monopropylene glycol (MPG); methyl glycol)	57-55-6
Propylene tetramer ((tetrapropylene; dodecene)	6842-15-5
Silicon dioxide (microsilica)	7631-86-9
Sodium hydroxide solution (caustic soda, lye; sodium hydrate; white caustic)	1310-73-2
Sodium silicate (water glass)	1344-09-8
Sorbitol (D-sorbitol; hexahydric alcohol; D-sorbite)	50-70-4
Soybean oil epoxidized	8013-07-8
Sulphuric acid	7664-93-9
Urea ammonia nitrate solution (UAN)	
White mineral oils	8042-47-5