

## **RULE 5.12 - PRIOR CARGO LISTINGS**

**MARCH 1, 2002**

NOTE: All items on Acceptable Lists 1 and 2 also appear on the NIOP-FOSFA Harmonized International List of Acceptable Previous Cargoes except those designated by (\*).

Substances not appearing on either Acceptable List 1 or 2 are not permitted to be carried as the last cargo immediately prior to edible oils.

### **5.12.1 - ACCEPTABLE PRIOR CARGO - LIST NO. 1**

The following items are acceptable prior cargoes for transported edible oils which may or may not be further processed prior to use:

#### **CARGO COMMON NAME**

Acetic acid – (USP and Food Grades only)  
Alcoholic beverages (i.e. rum, wine)  
Almond oil  
Anchovy oil  
Apple juice concentrate  
Apricot kernel oil  
Avocado oil  
Babassu oil  
Beechnut oil  
Beeswax  
Candelilla wax  
Canola oil - LEAR (“double zero”)  
Carnauba wax  
Castor oil  
Cocoa butter  
Coconut oil  
Cod liver oil  
Cod oil  
Cohune oil  
Corn oil - (maize oil)  
Corn syrup  
Cottonseed oil  
Dairy products (limited per USA 21CFR, Part 131)  
Dextrose solution  
Ethyl alcohol – (Food Grades only)  
Fish liver oil  
Fish oil  
Glucose syrup  
Glycerin  
Grape juice concentrate  
Grapeseed oil  
Hazelnut oil  
Herring oil  
Illipe butter - (mowrah butter)  
Juice concentrates (i.e. apple, grape)  
Lactic acid (limited)  
Lard, edible  
Linseed oil  
Lycopersicum esculentum oil - (tomato seed oil)

### **5.12.1 - ACCEPTABLE PRIOR CARGO - LIST NO. 1 - continued**

Menhaden oil  
Molasses  
Montan wax  
Murumuru fat  
Mustard seed oil  
Nutmeg butter  
Olive oil  
Orange juice slurry  
Palm kernel oil  
Palm kernel olein  
Palm kernel stearin  
Palm oil  
Palm oil mid-fractions  
Palm olein  
Palm stearin  
Peanut oil - (groundnut oil); (GNO)  
Phosphoric acid – (Food Grades only)  
Pilchard oil  
Poppyseed oil  
Propylene glycol – (USP and Food Grades only)  
Rapeseed oil - (HEAR)  
Rapeseed oil - (LEAR) (“double zero”)  
Rapeseed oil - (LEAR) (“single zero”)  
Rapeseed oil (hydrogenated)  
Rice bran oil  
Safflower oil  
Sal fat  
Sardine oil  
Sesame oil  
Shark oil  
Shea oil - (shea butter)  
Sorbitol  
Soybean oil  
Sunflower oil  
Tallow (edible)  
Teaseed oil  
Tucum oil  
Vegetable ghee (made from vegetable oils on this list)  
Walnut oil  
Water, potable (Acceptable only when immediately following a  
prior cargo on this LIST)

## **5.1.2.2 - ACCEPTABLE PRIOR CARGO - LIST NO. 2**

Acceptable prior cargoes for edible oils which will undergo further processing:

### **CARGO COMMON NAME**

Acetic acid  
Acetic anhydride  
Acetone  
Ammonium hydroxide  
Ammonium polyphosphate  
Benzyl alcohol - (NF and Reagent grades only)  
Butanediol - (see glycols)  
Butylene glycol - (see glycols)  
Butyl acetates - (n-, sec-, & tert-)  
Calcium ammonium nitrate (CAN-17) solution  
Calcium chloride solution  
Calcium lignosulfonate liquid - (lignin liquor); (sulphite lye)  
Calcium nitrate (CN-9) solution  
Coconut acid oil - (CAO); (acidulated coconut oil soapstock)  
Coconut oil fatty acid methyl esters  
Coconut oil fatty acids  
Coconut oil fatty alcohols  
Cottonseed acid oil  
Cottonseed oil fatty acid  
Cyclohexane  
Cyclohexanol  
Cyclohexanone  
Ethanol - (ethyl alcohol)  
Ethyl acetate - (EA)  
2-Ethylhexyl alcohol - (2-ethyl hexanol)

### **Fatty acids:**

<b><u>COMMON NAME</u></b>		<b><u>SYSTEMATIC/CHEMICAL NAME</u></b>
Butyric acid	C-4	Butanoic acid
Valeric acid	C-5	Pentanoic acid
Caproic acid	C-6	Hexanoic acid
Heptoic acid	C-7	Heptanoic acid
Caprylic acid	C-8	Octanoic acid
Pelargonic acid	C-9	Nonanoic acid
Capric acid	C-10	Decanoic acid
Lauric acid	C-12	Dodecanoic acid
Lauroleic acid	C-12'	Dodecenoic acid
Myristic acid	C-14	Tetradecanoic acid
Myristoleic acid	C-14'	Tetradecenoic acid
Palmitic acid	C-16	Hexadecanoic acid
Palmitoleic acid	C-16'	Hexadecenoic acid
Stearic acid	C-18	Octadecanoic acid
Ricinoleic acid	C-18'	12-Hydroxy-9-octadecenoic acid
Oleic acid	C-18'	Octadecenoic acid
Linoleic acid	C-18''	Octadecadienoic acid
Linolenic acid	C-18'''	Octadecatrienoic acid
Arachidic acid	C-20	Eicosanoic acid
Behenic acid	C-22	Docosanoic acid
Erucic acid	C-22'	Docosenoic acid

## 5.12.2 - ACCEPTABLE PRIOR CARGO - LIST NO. 2 - continued

Fatty acid esters - (An ester produced by the combination of any of the listed fatty acids with any of the listed fatty alcohols) Examples include:

Butyl myristate  
Cetyl stearate  
Oleyl palmitate

Fatty acid methyl esters - (methyl esters of fatty acids) Examples include:

<u>COMMON NAME</u>		<u>CHEMICAL NAME</u>
Methyl laurate	C-12	Methyl dodecanoate
Methyl palmitate	C-16	Methyl hexadecanoate
Methyl stearate	C-18	Methyl octadecanoate
Methyl oleate	C-18'	Methyl octadecenoate

Fatty alcohols - (Natural alcohols):

<u>COMMON NAME</u>		<u>SYSTEMATIC</u>	<u>OTHER</u>
Butyl alcohol	C-4	1-Butanol	Butyric alcohol
Caproyl alcohol	C-6	1-Hexanol	Hexyl alcohol
Enanthyl alcohol	C-7	1-Heptanol	Heptyl alcohol
Capryl alcohol	C-8	1-n-Octanol	Octyl alcohol
Nonyl alcohol	C-9	Nonanol	Pelargonic alcohol
Decyl alcohol	C-10	1-Decanol	
Lauryl alcohol	C-12	n-Dodecanol	Dodecyl alcohol
Tridecyl alcohol	C-13	1-Tridecanol	
Myristyl alcohol	C-14	1-Tetradecanol	
Cetyl alcohol	C-16	1-Hexadecanol	Cetylic alcohol; Palmityl alcohol
Stearyl alcohol	C-18	1-Octadecanol	
Oleyl alcohol	C-18'	Octadecenol	
Lauryl myristyl alcohol		(C12 - C14) - (blend)	
Cetyl stearyl alcohol		(C16 - C18) - (blend)	
Hexadecanol combination		(C16 - C18) - (blend of natural fatty alcohols)	

Synthetic Primary Alcohols (C9-C16)

<u>SUBSTANCE</u>	<u>CHEMICAL NAME</u>	<u>CAS NO.</u>
Isononyl alcohol	(C8-C10)	27458-94-2
Isononyl alcohol	(C8-C10, Iso)	68526-84-1
Primary alcohol	(C9-C11)	66455-17-2
1-Decanol	(C-10)	112-30-1
1-Undecanol	(C-11)	112-42-5
1-Dodecanol	(C-12)	112-53-8
Primary alcohol	(C12-C13)	75782-86-4
Primary alcohol	(C12-C15)	63393-82-8
1-Tetradecanol	(C-14)	112-72-1
Primary alcohol	(C14-C15)	75782-87-5
Alcohols	(C14-C16)	68333-80-2
1-Dodecanol		112-53-8
1-Tetradecanol		112-72-1

**5.12.2 - ACCEPTABLE PRIOR CARGO - LIST NO. 2 - continued**Glycols:

<u>COMMON NAME</u>	<u>SYNONYMS</u>
Butylene glycol & Butanediol	1,3-butylene glycol; 1,3-butanediol 1,4-butylene glycol; 1,4-butanediol 2,3-butylene glycol; 2,3-butanediol
Polypropylene glycol	PG
Propylene glycol	1,2-propylene glycol; 1,2-propandiol; 1,2-dihydroxypropane; monopropylene glycol - (MPG)
1,3-Propylene glycol	trimethylene glycol; 1,3-propanediol

CARGO COMMON NAME

Formic acid
Heptane
Hexane, technical
n-Hexane
Hydrogen peroxide
Isobutyl acetate
Isobutyl alcohol - (isobutanol)
Isodecyl alcohol - (isodecanol)
Isononyl alcohol - (isononanol)
Isooctyl alcohol - (isooctanol)
Isopropyl alcohol - (isopropanol)
** Kaolin slurry
Limonene - (dipentene)
Magnesium chloride solution
Methanol - (methyl alcohol)
Methyl ethyl ketone - (MEK)
Methyl isobutyl ketone - (MIBK)
Methyl tertiary butyl ether - (MTBE)
* Nitric acid
Nonane (C-9) - (nonyl hydride)
Palm acid oil - (PAO)
Palm fatty acid distillate - (PFAD)
Palm kernel fatty acid distillate - (PKFAD)
Palm kernel oil fatty acid methyl esters
Palm kernel oil fatty acids
Palm kernel oil fatty alcohols
Palm oil fatty acid methyl esters
Palm oil fatty acids
Palm oil fatty alcohols

\* This substance does not appear on the NIOP-FOSFA Harmonized International List of Acceptable Previous Cargoes.

\*\* Acceptable - provided any future modifications in bactericides

are appropriately reviewed.

### **5.12.2 - ACCEPTABLE PRIOR CARGO - LIST NO. 2 - continued**

#### CARGO COMMON NAME

Pentane

Petroleum wax, edible grade - (petroleum paraffin; paraffin wax)

Phosphoric acid

Polypropylene glycol - (PG) - (see glycols)

Potassium hydroxide solution - (caustic potash solution)

Propyl acetate

Propyl alcohol - (1-propanol)

Propylene glycol - (MPG) - (see glycols)

Propylene tetramer

Rice bran acid oil

Silicon dioxide

Sodium hydroxide solution - (caustic soda solution)

Sodium silicate

Soybean acid oil

Soybean oil (epoxidized)

Soybean oil fatty acids

Sulphuric acid

Tall oil fatty acids (ASTM types I and II only)

\*\* Tallow (inedible)

Tallow fatty acids

Tallow fatty alcohol

Tung oil

Urea ammonium nitrate solution - (UAN solution)

Water, potable (Acceptable only when immediately following a prior cargo on this LIST)

White mineral oil, USP

Wine lees

\*\* The country of origin in which the product is rendered must have standards or certification programs which are designed to preclude toxic or bacterial contamination and the transmission of pathogens including bovine spongiform encephalitis (BSE) by animal products or byproducts.

\*\* Tallow (inedible) includes the Standard Grades for Tallows and Greases as set forth by Rule 7 of the American Fats and Oils Association (AFOA).