

RULE 5.12 - PRIOR CARGO LISTINGS

September 1, 2007

NOTE: All substances 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 (white & yellow)
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
Fructose
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 per USA 21CFR, Parts 150 & 184)
Lard
Linseed oil
Lycopersicum esculentum oil - (tomato seed oil)
Menhaden oil
Molasses
Montan wax
Murumuru fat
Mustard seed oil
Non-alcoholic beverages
Nutmeg butter
Olive oil
Orange juice slurry
Palm kernel oil
Palm kernel olein
Palm kernel stearin
Palm oil

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

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)

5.12.2 - 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:

<u>COMMON NAME</u>		<u>SYSTEMATIC/CHEMICAL NAME</u>
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

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

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

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	1-Nonanol	Pelargonic alcohol
Decyl alcohol	C-10	1-Decanol	
Lauryl alcohol	C-12	1-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'	1-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
1-Hexadecanol		36653-82-4

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

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

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 acetate
- 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

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)

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

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).

5.13 – STORAGE AND EX TANK SALES

All oils traded must comply with PRIOR CARGO LISTINGS as stated in Rule 5.12 for transloading and transshipment of oils ex vessels and storage tanks into barges railroad tank cars, tank trucks and tank containers. Seller shall make prior cargo information available upon request.

“THIS CONCLUDES THE CHAPTER ON ACCEPTABLE PRIOR CARGO”