

**FOSFA LIST OF BANNED IMMEDIATE PREVIOUS CARGOES**  
(giving synonyms and alternative chemical names)

Acetone cyanohydrin (ACH; alpha-hydroxyisobutyronitrile; 2-methylactonitrile)  
 Acrylic acid (acroleic acid; propenoic acid)  
 Acrylonitrile (ACN; 2-propenenitrile; vinyl cyanide)  
 Adiponitrile (1,4-dicyanobutane)  
 Aniline (phenylamine; aminobenzene)  
 n-Butylacrylate  
 tert-Butylacrylate  
 Carbon tetrachloride (CTC; tetrachloromethane; perchloromethane)  
 Cardura E (tradename for a glycidyl esters of versatic 911 acid)  
 Cashew nut shell oil (CNSL; cashew nut shell liquid)  
 Crude mineral oil  
 Dibutylamine  
 Diethanolamine (DEA; di(2-hydroxyethyl)-amine)  
 Diethylenetriamine  
 Di-isopropylamine  
 Dipropylamine  
 m-Divinylbenzene (DVB; vinylstyrene)  
 Epichlorohydrin (EPI; Chloropropylene oxide)  
 Epoxy resins (uncured)  
 Ethyl acrylate  
 \*Ethylene dichloride (EDC; 1,2-dichloroethane)  
 2-Ethylhexyl acrylate  
 Ethanolamine (MEA; monoethanolamine; colamine; 2-aminoethanol; 2-hydroxyethylamine)  
 Ethylenediamine (1,2-diaminoethane)  
 Furfuryl alcohol (furyl carbinol)  
 Glutaraldehyde  
 Heavy mineral oil – oils other than crude oils having either a density at 15 °C higher than 950 kg/m<sup>3</sup> or a kinematic viscosity at 50 °C higher than 180 mm<sup>2</sup>/s, with the exception of lubricating oil without additives (base oil)  
 Hexamethylenediamine (1,6-diaminohexane; 1,6-hexanediamine)  
 Isocyanates  
     These include:  
         Toluene di-isocyanate (TDI)  
         Polyphenyl polymethylene isocyanate (PAPI)  
         Di-phenyl methane di-isocyanate (MDI)  
         Methyl isocyanate  
 Lube oil additives  
 Methyl acrylate  
 Methyl methacrylate monomer  
 Methyl styrene monomer (vinyl toluene)  
 alpha-Methyl styrene monomer (AMS)  
 para-Methyl styrene monomer (PMS)

Morpholine (tetrahydro-1,4-oxazine)  
Morpholine ethanol (n-hydroxyethylmorpholine)  
Perchloroethylene (PCE; perc; tetrachloroethylene)  
Phthalates

These include:

Di-allyl phthalate (DAP)  
Di-iso decyl phthalate (DIDP)  
Di-iso nonyl phthalate (DINP)  
Di-iso octyl phthalate (DIOP)  
Di-octyl phthalate (DOP)

n-Propylamine

Propylene oxide (Methyl oxirane; 1,2-epoxypropane)

Pyridine

\*Styrene monomer (vinylbenzene; phenylethylene; cinnamene)

Tall oil (tallol; liquid rosin)

Tall oil fatty acid equivalent to ASTM type III

Transformer oils of PCB type

Used Cooking Oil (UCO)

Used Cooking Oil Methyl Esters (UCOME)

Vinyl acetate monomer (VAM)

Vinyl chloride monomer (VC; chloroethane; chloroethylene)

### **Restrictions beyond the Immediate Previous Cargo**

Leaded products shall not be carried as the three previous cargoes.

\* Ethylene Dichloride and Styrene Monomer shall not be carried as the three previous cargoes in organic coated tanks, or as the last cargo in stainless steel and inorganic coated tanks.