

USEPA SPCC Guidance Document

The SPCC rule applies to facilities with the potential to discharge “oil” in quantities that may be harmful to navigable waters and adjoining shorelines. The SPCC rule’s definition of oil originated from the Clean Water Act (CWA). Section 311(a)(1) of the CWA defines oil as “oil of any kind or in any form, including, but not limited to, petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged spoil.” Petroleum oils include crude and refined petroleum products, asphalt, gasoline, fuel oils, mineral oils, naphtha, sludge, oil refuse, and oil mixed with wastes other than dredged spoil (67 FR 47075).

§112.2

Oil means oil of any kind or in any form, including, but not limited to: fats, oils, or greases of animal, fish, or marine mammal origin; vegetable oils, including oils from seeds, nuts, fruits, or kernels; and, other oils and greases, including petroleum, fuel oil, sludge, synthetic oils, mineral oils, oil refuse, or oil mixed with wastes other than dredged spoil.

Note: The above text is an excerpt of the SPCC rule. Refer to 40 CFR part 112 for the full text of the rule.

The U.S. Coast Guard (USCG) compiled a list of substances it considers oil (see below), based on the CWA definition. The list is available on the USCG Web site¹ Note, however, that the USCG list is not comprehensive and does not define “oil” for purposes of 40 CFR part 112. EPA may determine that a substance, chemical, material, or mixture is an oil even if it is not on the USCG list. For more information see EPA’s Guidance (http://www.epa.gov/emergencies/docs/oil/spcc/guidance/2_Applicability.pdf)

USCG List Of Petroleum and Non-petroleum Oils

This USGC list of oils is organized alphabetically into several subgroups. This list is not a complete list of oils regulated under 40 CFR part 112, rather a list of chemicals that are considered oil by the U.S. Coast Guard. Crude oil and refined petroleum products are among the most familiar types of oils. Petroleum and fuel oil are specifically named in the Clean Water Act (CWA) definition of oil. Edible animal and vegetable oils and other oils of animal or vegetable origin have historically been considered CWA oils. Other non-petroleum oils are substances that have the properties and behavior of traditional oils and have historically been considered to be oils. Lube-oil additives are included in the list of oils because they may be shipped or stored in an oil medium. Some substances that have not been considered oils historically may be added to this list in the future if they are determined to have oil-like characteristics. If you have a question about whether a commodity that does not appear on this list is regulated as an oil, please call **Mr. Tom Felleisen, G-MSO-3, of the U.S. Coast Guard at 202-267-0086.**

¹ See the “List of Petroleum and Non-Petroleum Oils” on the USCG Web site at https://homeport.uscg.mil/mycg/portal/ep/contentView.do?contentType=2&channelId=-30565&contentId=120944&programId=117833&programPage=%2Fep%2Fprogram%2Feditorial.jsp&pageType=13489&BV_SessionID=@@@@1350455393.1250257064@@@@&BV_EngineID=cccdadehmkiifkfcfgcfdfhdghm.0

Crude Oil and Refined Petroleum Products

Alkanes (C6-C9)
n-Alkanes (C10+)
iso- & cyclo-Alkanes (C10-C11)
Alkylbenzenes (C9+)
Alkylbenzene, Alkylindane, Alkylindene mixture (each C12-C17)
Asphalt
Asphalt: cutback
Asphalt: emulsion
Asphalt blending stocks: Roofers flux
Asphalt blending stocks: Straight run residue
Aviation alkylates
Cobalt naphthenate in Solvent naphtha
p-Cymene
Diisopropyl naphthalene
Distillates: Flashed feed stocks
Distillates: Straight run
Ethyl cyclohexane
Gas oil: Cracked
Gasoline: Automotive (not over 4.23g Pb/gal)
Gasoline: Aviation (not over 4.86g Pb/gal)
Gasoline: Casinghead (natural)
Gasoline: Polymer
Gasoline: Straight run
Gasoline blending stocks: Alkylates
Gasoline blending stocks: Reformates
Heptane (all isomers)
Heptene (all isomers)
Hexane (all isomers)
Hexene (all isomers)
Jet fuel: Jet A-1
Jet fuel: Jet A
Jet fuel: Jet B
Jet fuel: JP-4
Jet fuel: JP-5 (Kerosene, heavy)
Jet fuel: JP-8
Kerosene
Methylcyclohexane
Mineral spirits
Naphtha: Heavy
Naphtha: Paraffinic
Naphtha: Petroleum
Naphtha: Solvent
Naphtha: Stoddard solvent
Naphtha: VM & P (75% Naphtha)
Nonane (all isomers)
Nonylbenzene
Octane (all isomers)
Oil, fuel: No. 1
Oil, fuel: No. 1-D
Oil, fuel: No. 2
Oil, fuel: No. 2-D

Oil, fuel: No. 4
Oil, fuel: No. 5
Oil, fuel: No. 6
Oil, misc: Aliphatic
Oil, misc: Aromatic
Oil, misc: Clarified
Oil, misc: Coal
Oil, misc: Crude
Oil, misc: Diesel
Oil, misc: Gas, low pour
Oil, misc: Gas, low sulfur
Oil, misc: Heartcut distillate
Oil, misc: Lubricating
Oil, misc: Mineral
Oil, misc: Mineral seal
Oil, misc: Motor
Oil, misc: Penetrating
Oil, misc: Residual
Oil, misc: Road
Oil, misc: Seal
Oil, misc: Spindle
Oil, misc: Transformer
Oil, misc: Turbine
Olefin mixtures (C5-C7)
alpha-Olefins (C6-C18) mixtures
Olefins (C13+)
Pentene (all isomers)
1-Phenyl-1-xylyl ethane
iso-Propylcyclohexane
Tetrahydronaphthalene
White spirit (low (15-20%) aromatic)

Edible Animal and Vegetable Oils

Oil, edible: Beechnut
Oil, edible: Castor
Oil, edible: Cocoa butter
Oil, edible: Coconut
Oil, edible: Cod liver
Oil, edible: Corn (maize)
Oil, edible: Cottonseed
Oil, edible: Fish
Oil, edible: Groundnut
Oil, edible: Hazelnut
Oil, edible: Lard
Oil, edible: Nutmeg butter
Oil, edible: Olive
Oil, edible: Palm
Oil, edible: Palm kernel
Oil, edible: Peanut
Oil, edible: Peel
Oil, edible: Poppy
Oil, edible: Poppy seed
Oil, edible: Raisin seed
Oil, edible: Rapeseed
Oil, edible: Rice bran
Oil, edible: Safflower
Oil, edible: Salad
Oil, edible: Sesame
Oil, edible: Soya bean
Oil, edible: Sunflower seed
Oil, edible: Tucum
Oil, edible: Vegetable
Oil, edible: Walnut

Other Oils of Animal or Vegetable

Origin

Animal and Fish oils, n. o. s.
Animal and fish acids oils and distillates, n. o. s.
Camphor oil
Cashew nut shell oil (untreated)
Creosote (wood)
Fatty acid (saturated, C13+)
Fatty acid amides
Oil, misc: Animal
Oil, misc: Coconut, fatty acid methyl ester
Oil, misc: Coconut oil, fatty acid
Oil, misc: Cottonseed oil, fatty acid
Oil, misc: Lanolin
Oil, misc: Linseed
Oil, misc: Neatsfoot
Oil, misc: Oiticica
Oil, misc: Palm oil, fatty acid methyl ester
Oil, misc: Perilla
Oil, misc: Pilchard
Oil, misc: Pine
Oil, misc: Rosin
Oil, misc: Soapstock
Oil, misc: Soybean (epoxidized)
Oil, misc: Sperm
Oil, misc: Tall
Oil, misc: Tall, fatty acid
Oil, misc: Tallow
Oil, misc: Tung
Oil, misc: Whale
Palm kernel acid oil
Palm kernel acid oil, methyl ester
Palm Olein
Palm Stearin
Palm Fatty Acid Distillate
Tallow fatty acid
Tallow nitrile
Turpentine
Vegetable acid oils and distillates, n. o. s.
Vegetable oils, n. o. s.

Other Non-Petroleum Oils

Anthracene oil (Coal tar fraction)
Coal tar
Coal tar pitch (molten)
Creosote (Coal tar)
Naphtha: Coal tar solvent
Polydimethylsiloxane

Lube-Oil Additives

Alkaryl polyether (C9-C20)
Alkenyl (C11+) amide
Alkyl (C8+) amine, alkenyl (C12+) acid ester mixture
Alkyl (C11-C17) benzene sulfonic acid
Alkylbenzene sulfonic acid, sodium salt solution
Alkyl dithiothiadiazole (C6-C24)
Alkyl (C8-C40) phenol sulfide
Alkyl (C8-C9) phenylamine in aromatic solvents
Alkyl (C10-C20), saturated and unsaturated phosphite
Aryl polyolefin (C11-C50)
Calcium alkyl (C9) phenol sulfide, polyolefin phosphorosulfide mixture
Calcium long chain alkaryl sulfonate (C11-C50)
Calcium long chain alkyl (C5-C10) phenate
Calcium long chain alkyl (C11-C40) phenate
Calcium long chain alkyl phenate sulfide (C8-C40)
Calcium long chain alkyl salicylate (C13+)
Calcium long chain alkyl phenolic amine (C8-C40)
Chlorinated paraffins (C18+) with any level of chlorine
Dialkyl (C8-C9) diphenylamines
Dibutyl hydrogen phosphonate
Diphenylamine, reaction product with 2, 2, 4-Trimethylpentene
Diphenylamines, alkylated
Dodecyl hydroxypropyl sulfide
Glycerol monooleate
Long chain alkaryl polyether (C11-C20)
Long chain alkaryl sulfonic acid (C16-C60)
Long chain alkylphenate/Phenol sulfide mixture
Magnesium long chain alkaryl sulfonate (C11-C50)
Magnesium long chain alkyl salicylate (C11+)
Olefin/Alkyl ester copolymer (molecular weight 2000+)
Oleylamine
Phosphate esters, alkyl (C12-C14) amine
Polyalkyl (C10-C20) methacrylate
Polyether (molecular weight 2000+)
Polyether, borated
Polyisobutenyl anhydride adduct
Polyolefin (molecular weight 300+)
Polyolefin amide alkeneamine (C28+)
Polyolefin amide alkeneamine borate (C28-C250)
Polyolefin amide alkeneamine molybdenum oxysulfide mixture
Polyolefin amide alkeneamine polyol
Polyolefinamine (C28-C250)
Polyolefinamine in alkyl (C2-C4) benzenes
Polyolefin aminoester salt

Polyolefin anhydride
Polyolefin ester (C28-C250)
Polyolefin phenolic amine (C28-C250)
Polyolefin phosphorosulfide – Barium derivative (C28-C250)
Sodium petroleum sulfonate
Sulfohydrocarbon (C3-C88)
Sulfohydrocarbon, long chain (C18+_ alkylamine mixture)
Sulfurized fat (C14-C20)
Sulfurized polyolefinamide alkene (C28-C250) amine
Tall oil fatty acid, barium salts
Zinc alkaryl dithiophosphate (C7-C16)
Zinc alkyl dithiophosphate (C3-C14)