Chevron Phillips CHEMICAL

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Marlex® Polyethylene Appendix to PROs:

Substances and Chemicals

None of the following substances are intentionally used as additives or raw materials in the manufacture of Marlex® Polyethylene.

- Abietic acid
- Acrolein (CAS No.® 107-02-8)
- Acrylamide (CAS No.® 79-06-1) or n-methylolacrylamide (CAS No.® 924-42-5)
- Acrylonitrile, acrylonitrile co-polymers, or Polyacrylonitrile (PAN)
- Aflatoxin and Mycotoxin; or derivates of these substances
- Alkylphenols
- Alkylphenol Ethoxylates, including nonylphenol ethoxylate and octylphenol ethoxylate
- Allergens, including but not limited to those listed in EU Regulation 1169/2011, Directives 2000/13/EC, 2003/89/EC, and Section B.01.010.1 (1) of Canadian Regulation C.R.C., c. 870, and US FDA Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) and the Food Allergy Safety, Treatment, Education, and Research (FASTER) Act of 2021 [US] such as: peanuts, tree nuts, milk or whey, eggs, soybeans, sesame, fish, shellfish.
- Alpha Methyl Styrene (AMS; CAS No® 98-83-9)
- 1-Amino-2-propanol (CAS No.® 78-96-6)
- Ammonium fluoride ((NH4)F; CAS No.® 12125-01-8)
- Antibiotics (e.g. Beta lactam or antibiotics other than beta lactam)
- Antimicrobial and anti-fungal additives for packaging protection not used
- Aromatic amines
- Arsenic (CAS No.® 7440-38-2) or arsenic related compounds
- Artificial Sweeteners (e.g. aspartame)
- Arylamines
- Asbestos
- 5-(4'-(azidomethyl)- 5-(4'-(azidomethyl)-[1,1'-biphenyl]-2-yl)-1H-tetrazole [1,1'-biphenyl]-2-yl)-1H-tetrazo
- Azo and azoxyalkyl compounds (e.g. Azodicarbonamide; azo amines)
- Barium
- Barium sulfate (CAS No.® 7727-43-7) BaSO4
- 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters (CAS No.® 68648-93-1)
- 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters (CAS No.® 68515-51-5)
- 1,2 Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (DINP; CAS No.® 68515-48-0)
- 1,2-benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich(DIDP; CAS No.® 68515-49-1)
- 1,2 Benzenedicarboxylic acid, di-C11-14 branched alkyl esters C-13 rich (CAS No.® 68515-47-9)
- 1,2-benzenedicarboxylic acid, dipentylester, branched and linear (CAS No.® 84777-06-0)
- Benzopentaphene (CAS No.® 189-55-9)
- Benzophenone (CAS No.® 119-61-9)

- Benzophenone compounds: e.g. 2,4-dihydroxybenzophene, benzophenone-1 (BP-1; CAS RN® 131-56-6); benzophenone-3 (BP-3; oxybenzone; CAS RN® 131-57-7); 4,4'-dihydroxy benzophenone (CAS RN® 611-99-4)
- Benzoyl chloride (CAS No.® 98-88-4)
- beta-CARYOPHYLLENE (CAS No.® 87-44-5)
- Biphenyl-4,4'-diol; 4,4'-Dihydroxybiphenyl (CAS No.® 92-88-6)
- 2,2-Bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether; synonym: Bisphenol A diglycidyl ether (BADGE) CAS® Number 1675-54-3, Bis (hydroxyphenyl)methane bis(2,3-epoxypropyl) ether (BFDGE), and/or Novolac glycidyl ethers (NOGE)
- Biocides (e.g. as defined by Biocidal Products Regulation (BPR) 528/2012 and 334/2014).
- Bisphenol compounds, including but not limited to: BPA (CAS RN® 80-05-7), BPAF, BPB (CAS RN® 77-40-7), BPC, BPE, BPF (CAS RN® 620-92-8), BPH, BPS (CAS RN® 80-09-1), and BPZ, or the Bisphenol analogues as listed by Canada CEPA Section 71/Appendix A (181 substances)
- Bromine
- Brominated or halogenated flame retardants
- 1-Bromopropane (CAS No.® 106-94-5)
- Buckwheat
- Butylated Hydroxyanisole (BHA; CAS No.® 25013-16-5), and Tertiary butylhydroquinone (TBHQ; CAS No.® 1948-33-0)
- Cadmium
- Carbohydrates
- Carbon disulphide; Carbon disulfide (CAS No.® 75-15-0)
- Catechol, also known as pyrocatechol or 1,2-dihydroxybenzene (CAS No.® 120-80-9)
- Cellulose
- Cerium (Ce) or cerium compounds
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC)
- Chlorinated paraffins (short chain, medium chain, or long chain)
- Chlorinated polyvinyl chloride (CPVC; CAS No.® 68648-82-8)
- Chlorobenzenes: e.g. 1,2-Dichlorobenzene (CAS No.® 95-50-1), 1,3-Dichlorobenzene (CAS No.® 541-73-1), 1,4-Dichlorobenzene (CAS No.® 106-46-7), 1,2,4-Trichlorobenzene (CAS No.® 120-82-1), 1,2,4,5-Tetrachlorobenzene (CAS No.® 95-94-3), Pentachlorobenzene (CAS No.® 608-93-5), Hexachlorobenzene (CAS No.® 118-74-1)
- Chloroprene monomer (CAS No.® 126-99-8) and Polychloroprene (CAS No.® 9010-98-4)
- Cholecalciferol (CAS No.® 67-97-0)
- Cobalt (CAS No.® 7440-48-4)
- Cobalt oxide (CoO; CAS No.®1307-96-6)
- Colophony (e.g. wood rosin, gum rosin, tree rosin or yellow rosin CAS No.® 8050-09-7)
- Cyanogen (CAS® No 460-19-5)
- Cyanuric acid; 1,3,5-Triazinane-2,4,6-trione (CAS No.® 108-80-5; dihydrate 6202-04-6)
- Decabromodiphenyl ether (DecaBDE; DBDE; CAS No.® 1163-19-5)
- Dibenzo[b,def]chrysene; dibenzo[a,h]pyrene (CAS No.® 189-64-0)
- Dibutan-1-yl(dichloro)stannane (CAS No.® 683-18-1)
- Dibutyl Adipate (DBA; CAS No.® 105-99-7)
- Dichloroacetic acid (DCA) CAS No.® 79-43-6

- 1,2-Dichlorobenzene; o-Dichlorobenzene (oDCB; CAS® No 95-50-1)
- Dichloroethane (CAS No.® 107-06-2; 75-34-3); Trichloroethane (CAS No.® 71-55-6)
- 2,4-Dichlorophenol (CAS No.® 120-83-2)
- Di(ethylhexyl) adipate (DEHA), diethyl hydroxyl amine (DEHA), or di(ethylhexyl)maleate (DEHM)
- 2,6-Diisopropyl Naphthalene (DIPN; CAS No.® 24157-81-1)
- 3,4-Dimethylbenzonitrile (CAS No.® 22884-95-3)
- Dimethylfumarate (DMF; CAS No.® 624-49-7; C6H8O4) or methyl fumarate or mono-methyl fumerate (CAS® 2756-87-8; C5H6O4)
- Dimethyl phenyl carbinol/ α,α-Dimethylbenzyl alcohol/ 2-phenyl-2propanol (CAS No.® 617-94-7)
- 2-2'-Dimethoxy-2-phenylacetophenone (CAS No.® 24650-42-8)
- Dinitrogen oxide (CAS No.® 10024-97-2)
- 1,4-Dioxane (Diethylene dioxide CAS No.® 123-91-1)
- Dioxins or furans; or derivatives of these substances
- Dithiocarbamates
- Endocrine disruptors e.g. Alkylphenol ethoxylate (APE), Nonylphenol ethoxylate (NPE), Octylphenol ethoxylate (OPE); EPA Tier 1 Screening List, EU Medical Directive Restrictions (MDR), EU ECHA ED Screening List
- Epoxy derivatives listed in EU Directives 2002/16/EC and 1895/2005
- Epoxidized Soybean Oil
- Ethanol, 2,2'-iminobis-, N-(C13-15-branched and linear alkyl) derivs. (CAS No.® 97925-95-6)
- 2-Ethoxyethanol (CAS® Number 110-80-5) or 2-Methoxyethanol (CAS No.® 109-86-4)
- 2-Ethylanthraquinone (CAS No.® 84-51-5)
- Ethyl 4-dimethylaminobenzoate (EDAB; CAS No.® 10287-53-3)
- Ethylbenzene (CAS No.® 100-41-4)
- Ethylhexyl 4-(dimethylamino)benzoate (EHDAB; CAS No.® 21245-02-3)
- 4-Ethylocta-3-enenitrile (CAS No.® 29127-85-3)
- FDA Banned Food Additives: benzophenone, ethyl acrylate, eugenyl methyl ether, myrcene, pulegone, pyridine, styrene
- Flavors
- Fluazifop-butyl (CAS No.® 69806-50-4)
- Fluorescent Whitening Agent
- Fragrances
- Fungicides, preservatives (for the purpose of preserving food in packaging), or fumigants
- Gasoline, natural (CAS No.® 8006-61-9)
- Genetically modified organisms (GMO)
- Glycerin or glycerol (CAS No.® 56-81-5)
- Glyoxal; 1,2-Ethanedione (CAS No.® 107-22-2)
- Graphene
- Hexabromocyclododecane (HBCDD; CAS® No. 3194-55-6), EU 2016/293 POPs
- Hexachlorobutadiene (HCBD; CAS No.® 87-68-3)
- Hexachlorobenzene (HCB; CAS No.® 118-74-1)
- Hexadecyltrimethoxysilane (CAS No.® 16415-12-6)
- Homosalate; Salicylic Acid 3,3,5-Trimethylcyclohexyl Ester (CAS No.® 118-56-9)

- Human materials, derivatives of human materials, blood or blood products
- 1-Hydroxycyclohexyl phenyl ketone (CAS No.® 947-19-3)
- Iodopropynyl butylcarbamate (IPBC); 3-iodo-2-propynyl-butylcarbamate (CAS No.® 55406-53-6)
- 2-isobutoxyethanol (CAS No.® 4439-24-1)
- Isocyanates
- Isopentyl Pentyl Phthalate a.k.a N-pentyl-isopentylphthalate (nPIPP); 1,2-Benzenedicarboxylic Acid 1-(3-Methylbutyl) 2-pentyl Ester (CAS No.® 776297-69-9)
- Isophorone (CAS No.® 4098-71-9)
- Isoprene (CAS RN 78-79-5)
- Isopropylthioxanthone (CAS No.® 75081-21-9); 9H-Thioxanthen-9-one,2-(1-methylethyl)-; 2-Isopropylthioxanthone 2-ITX; CAS No.® 5495-84-1); 4-ITX CAS RN®
- Isothiazolinones: Benzisothiazolinone (CAS No.® 2634-33-5), Methylchloroisothiazolinone (CAS No.® 26172-55-4), Methylisothiazolinone (CAS No.® 2682-20-4); (CAS No.® 55965-84-9)
- Lactose (CAS No.® 63-42-3)
- Lanthanides
- Latex (Natural rubber latex, dry natural rubber, or synthetic latex)
- Lignin
- Lithium hydroxide monohydrate (CAS No.® 1310-66-3)
- Manganese
- Manganese dichloride (CAS No.® 7773-01-5)
- Melamine (CAS No.® 108-78-1)
- 2-Mercaptobenzothiazole (2-MBT); Benzothiazolethiol C6H4SNCSH (CAS No.® 149-30-4)
- Mercury
- Methanesulfonic acid (CAS No.® 75-75-2)
- Methyl acetate (CAS No.® 79-20-9)
- Methyl bromide; Bromomethane (CAS No.® 74-83-9)
- Methyldibromo Glutaronitrile (CAS No.® 35691-65-7)
- Methyl ethyl ketone (MEK); Methyl isobutyl ketone (MIBK; CAS No.® 108-10-1)
- Methylenedianiline (CAS RN® 101-77-9)
- Methylmercuric chloride (CAS® No 115-09-3)
- Microorganisms, yeast, mold, or bacteria not intentionally contained
- Methyl fumarate or mono-methyl fumerate (CAS No.® 2756-87-8; C5H6O4)
- Monomethyl-dichloro-diphenyl methane
- Monosodium Glutamate (MSG; CAS® 142-47-2)
- Naphthalene (CAS® Number 91-20-3)
- Nitrites, Nitrates, Nitrosamines, Nitrosamines impurities: see section below
- Nitrocellulose (CAS No.® 9004-70-0)
- p-Nitrochlorobenzene (CAS No.® 100-00-5)
- Nitrofurazone (CAS® No 59-87-0)
- N-methyl-2-pyrrolidone (CAS No.® 872-50-4)
- Nonyl phenol (NP; CAS No.® 25154-52-3)
- Nonyl phenol & Octyl phenol ethoxylates
- N-vinyl-2-pyrrolidone (CAS No.® 88-12-0)

- Octabromobiphenyl ether; Octabromodiphenyl ethers (Octa-BDE; CAS No.® 32536-52-0)
- Octocrilene; Octocrylene (CAS No.® 6197-30-4)
- Octylphenols
- Optical brighteners
- Organotin compounds
- Organophosphate Halogenated Flame Retardants (HFRs; e.g. Dechlorane Plus, Tetrabromobisphenol A (TBBPA), polybrominated diphenyl ethers (PBDEs))
- Oxiran-2-ylmethyl methacrylate (CAS No.® 106-91-2)
- Oxo-degradable additives, oxo-degradable plastics, or pro-oxidative additives
- Ozone-depleting chemicals
- Parabens e.g. butyl paraben (CAS RN® 94-26-8), ethyl paraben (CAS RN® 120-47-8), methyl paraben (CAS RN® 99-76-3), propyl paraben (CAS RN® 94-13-3)
- Pentabromobiphenyl ether; Pentabromodiphenyl ethers (Penta-BDE; CAS No.® 32534-81-9)
- Pentachlorophenol (PCP; CAS No.® 87-86-5) See (EU) 2021/277 POPs
- Pentachlorothiophenol (PCTP; CAS No.® 133-49-3)
- Perchlorates
- Perchloroethylene (CAS No.® 27-18-4)
- Pesticides and fungicides
- Phenol, isopropylated phosphate (3:1); Tris(isopropylphenyl) phosphate (PIP; CAS® Number 68937-41-7)
- Photoinitiators, including: benzophenone, hydroxybenzophenone, and 4-methylbenzophenone, and Isopropylthioxanthone (ITX)
- Phthalates, orthopthalates (see Phthalates section in PRO document and below)
- Phthalimide (CAS No.® 85-41-6)
- Plasticizers; including, but not limited to the 25 plasticizers (phthalates) listed on the FDA rule published in Federal Register on May 20, 2022.
- Poly- and perfluoroalkyl substances (PFAS), as perfluoroctanoic acid (PFOA) or perfluoroctane sulfonate (PFOS) are not used. See PFAS section below for further detail.
- Polyaminopropyl biguanide (PHMB; CAS No.® 27083-27-8)
- Polybrominated Diphenyl Ethers (PBDEs) included: decaBDE, octaBDE, and pentaBDE
- Polycarbonates
- Polychlorinated and Polybrominated Biphenyls (PCBs and PBBs)
- Polychlorinated and Polybrominated Terphenyls (PCTs and PBTs)
- Polychloronaphthalene (CAS No.® 70776-03-3)
- Polychloroprene (CAS No.® 9010-98-4)
- Polycyclic aromatic hydrocarbons (PAH), also called polyaromatic hydrocarbons
- Polydimethylsiloxane (PDMS; silicone; CAS No.® 9006-65-9) not intentionally contained
- Polyethylene terephalate (CAS No.® 25038-59-9)
- Polyhydroxyalkanoates (PHAs) polyesters produced by microorganisms/bacterial fermentation
- Polylactic Acid, Polylactic Acid as a rigid structure (CAS No.® 26100-51-6)
- Polystyrene or expanded Polystyrene (CAS No.® 9003-53-6) or other polymeric foam materials as shock absorbers (e.g. Expanded Polypropylene, Expanded Polyethylene, or Expanded Vinyl Acetate)

- Polyurethane
- Polyvinyl acetate (CAS No.® 9003-20-7)
- Polyvinyl Alcohol
- Polyvinyl Chloride (CAS No.® 9002-86-2; PVC)
- Polyvinylidene chloride a.k.a. Polyvinylidene Dichloride (PVDC; CAS® Number 9002-85-1) or copolymers
- Propiconazole (CAS® Number 60207-90-1)
- Propylidene Phthalide (CAS No.® 17369-59-4)
- Quizalofop-P-tefuryl (ISO); (+/-) tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate (CAS No.® 200509-41-7)
- Radioactive Substances: No radiation sources are used to alter the product characteristics.
- Recycled materials (i.e. No post-consumer recycled materials utilized)
- Regenerated cellulose
- Resorcinol (CAS No.® 108-46-3)
- Selenium
- Semicarbazide (CAS No.® 57-56-7)
- Silicic acid, sodium salt; Sodium siliconate (CAS No.® 108-78-1)
- Silicone a.k.a. Polydimethylsiloxane (PDMS) or Silicone Oil (CAS No.® 63148-62-9) and siloxanes not intentionally contained
- Sodium bromide (CAS No.® 7647-15-6)
- Sodium fluoride (CAS No.® 7681-49-4)
- Sodium hydrosulfide (CAS No.® 16721-80-5)
- Sodium nitrite (CAS No.® 7632-00-0)
- Sodium sulfide (CAS No.® 1313-82-2)
- Sorbitol (CAS No.® 50-70-4)
- Stannous chloride; tin (II) chloride (CAS® Number 7772-99-8, 10025-69-1 (dihydrate))
- Starch (CAS No.® 9005-25-8)
- Sugars (sucrose, glucose/dextrose, fructose, lactose, galactose, maltose)
- Styrene (CAS® Number 100-42-5)
- Sulfonamides
- Terephthaloyl dichloride (CAS No.® 100-20-9)
- Tert-butyl methyl ether (TBME; CAS No.® 1634-04-4)
- Tertiary butylhydroquinone (TBHQ; CAS No.® 1948-33-0)
- 2,2',4,4'-tetrabromodiphenyl ether; (BDE-47 CAS No.® 40088-47-9; 5436-43-1)
- Tetrachloroethylene; Perchloroethylene (CAS No.® 127-18-4)
- 2,3,7,8-Tetrachloro dibenzo p-dioxin (TCDD; CAS No.® 1746-01-6)
- 2,3,7,8 Tetrachloro dibenzo p-furan (TCDF; CAS No.® 51207-31-9)
- Tin & tin substances e.g. Tributyl tin (CAS No.® 688-73-3), Trioctyl tin (CAS No.® 869-59-0), Triphenyl tin (CAS No.® 892-20-6)
- 1,1,1-Trichloroethane (CAS® No 71-55-6)
- Trichloroethylene (CAS No.® 79-01-6)
- Triclosan (2,4,4'-trichloro-2'-hydroxydiphenylether), Triclocarban
- Triethanolamine; 2,2',2''-nitrilotriethanol (CAS No.® 102-71-6)

- Trimellitate (e.g. Trimethyl trimellitate CAS No.® 2459-10-1, Tris-2-ethylhexyl trimellitate CAS No.® 3319-31-1)
- 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (TXIB; CAS No.® 6846-50-0)
- Triphenyl phosphate (TPP; CAS No.® 115-86-6)
- Tris(1,3-dichloro-2-propyl) phosphate (TDCPP; CAS No.® 13674-87-8)
- 2,4,6-tris(tert-butyl)phenol; 2,4,6-Tri-tert-butylphenol (2,4,6-TTBP) (CAS No.® 732-26-3)
- Tris-Nonylphenol Phosphite (TNPP) (CAS No.® 26523-78-4)
- Vinylidene chloride (Dichloroethene), Vinyl Chloride Monomer (VCM), Polyvinyl Chloride (CAS® Number 9002-86-2; PVC), Polyvinylidene Dichloride (PVDC) or copolymers
- Zinc Chloride (CAS No.® 7646-85-7)
- Zinc di(acetate); Zinc acetate (CAS No.® 557-34-6)

Nitrosamine related substances

To the best of our knowledge the manufacture of this product does not intentionally use nitrosamine or any of the following substances:

- HNO2 (Nitrous Acid), HNO3 (Nitric Acid)
- Nitrosamines, Nitrosamines impurities: N-nitrosodimethylamine (NDMA), N-Nitrosodiethylamine (NDEA), N-diisopropylnitrosoamine (NDIPA), N-ethyl-N-isopropylnitrosoamine (NEIPA); or nitrosating reagent NaNO2
- Nitrites, Nitrates (e.g. NaNO2 (Sodium Nitrite))
- NO (Nitric Oxide) e.g. as impurity in HNO3 for nitration reactions
- Nitrosyl halides (e.g. ClNO, BrNO)
- Dinitrogen trioxide (N2O3), Dinitrogen tetraoxide (N2O4)
- Organic nitrites (e.g. t-BuONO)
- NH2OH (Hydroxylamine)
- Ozone
- Chloramines; Nitroso (nitrite, nitrate, chloroamine) reagents
- Trimethylamine, diethylamine, triethylamine, Hunig's base, piperidine
- Azide reagents
- N-Methyl-2-pyrrolidone (NMP)
- Tributyltin chloride CAS No.® 1461-22-9
- Nitrocellulose
- Dimethylacetamine/ N,N-dimethylacetamide (DMA) or Diethylacetamide (DEA),
- N-Nitroso-N-methyl-4-aminobutyric acid (NMBA)
- N-nitrozodiizopropyloamine (DIPNA, CAS® 601-77-4), N-nitrozoetyloizopropyloamine (EIPNA)
- Triethylamine, Diethylamine, Monoethylamine, Diethanolamine, Trimethylamine, Dimethylamine
- Tributylamine (TBA), Dibutylamine
- Diisopropylethylamine (DIPEA)
- N-Methylmorpholine (NMM)
- Tetra Butyl Ammonium Bromide (TBAB)
- 2-Mercapto benzo thiozole (2-MBT; CAS RN® 149-30-4)

Phthalates

No phthalates (a.k.a. phthalate esters), including di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DNOP), diisobutyl phthalate (DIBP), dimethyl phthalate (DMP), and diethyl phthalate (DEP) are intentionally added to this product. This product therefore meets the requirements of the Consumer Product Safety Improvement Act of 2008 and EU Directive 2005/84/EC. The 25 plasticizers (phthalates) listed on FDA rule published in Federal Register on May 20, 2022, are not used in Marlex® Polyethylene.

Other phthalates not used: ortho-phthalate, di-n-butyl phthalate, bis(2-methoxyethyl) phthalate (DMEP) CAS No.® 117-82-8., n-pentyl-isopentylphthalate CAS® No. 776297-69-9, Di-n-pentyl phthalate CAS® No. 131-18-0, Diisopentylphthalate CAS No.® 605-50-5, Diallyl phthalate CAS No.® 131-17-9.

PFAS

None of the following Poly- and perfluoroalkyl substances (PFAS) substances are used in the formulation of Marlex® Polyethylene.

- PFAS as listed by the National Defense Authorization Act for Fiscal Year 2020 (NDAA) for TRI reporting to EPA or per EU 2019/1021, 2020/784, 2021/115, and 2021/1297.
- Perfluorooctanoic Acid (PFOA) CAS RN® 335-67-1 and related compounds.
- Perfluorooctane Sulfonate (PFOS) CAS RN® 1763-23-1 and related compounds.
- Perfluorobutane Sulfonic Acid (PFBS) CAS RN® 375-73-5 and related compounds.
- Perfluorohexanoic Acid (PFHxA) CAS RN® 307-24-4 and related compounds.
- Hexafluoropropylene Oxide Dimer Acid (HPFO-DA) (“Gen-X”) CAS RN® 13252-13-6, 62037-80-3
- Perfluorobutanoic Acid (PFBA) CAS RN® 375-22-4 and related compounds.
- Perfluoroheptanoic Acid (PFHpA) CAS RN® 375-85-9 and related compounds.
- Perfluorononanoic Acid (PFNA) CAS RN® 375-95-1 and related compounds.
- Perfluorodecanoic Acid (PFDA) CAS RN® 335-76-2 and related compounds.
- Perfluoroundecanoic Acid (PFUnDA) CAS RN® 2058-94-8 and related compounds.
- Perfluorotridecanoic Acid (PFTrDA) CAS RN® 72629-94-8 and related compounds.
- Perfluorotetradecanoic Acid (PFTDA) CAS RN® 376-06-7 and related compounds.
- Polytetrafluoroethylene (PTFE) CAS RN® 9002-84-0 not contained on purpose.
- Undecafluorohexanoic acid CAS RN® 307-24-4 and related compounds.
- Perfluorocarboxylic acids, (e.g. C9-C14 PFCAs linear and branched), their salts, and related substances per (EU) 2021/1297.

Regulatory or Industry Lists

To the best of our knowledge this product meets the following requirements as being within stipulated limits as listed as of this date:

- Stockholm Convention Persistent Organic Pollutants (POPs): Directive 850/2004/EC, EU 2016/293, EU 2019/1021, EU 2021/115, 2020/784, and 2021/277 substances not used.
  - Listing of POPs in the Stockholm Convention
  - List of substances subject to POPs Regulation - ECHA (europa.eu)

- Rotterdam Convention Prior Informed Consent (PIC) substances Annex III substances not used: http://www.pic.int/TheConvention/Chemicals/AnnexIIIChemicals/tabid/1132/language/en-US/Default.aspx
- Persistent, Bioaccumulative, and Toxic (PBT) substances1 as restricted under US Code of Federal Regulations title 40, part 751, subpart E– "Regulation of Certain Chemical Substances and mixtures under section 6 of The Toxic Substances Control Act" (TSCA): also see substances not used: Decabromodiphenyl ether (DecaBDE); Phenol, isopropylated phosphate (3:1) (PIP (3:1)); 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP); Hexachlorobutadiene (HCBD); and Pentachlorothiophenol (PCTP)
- Substances in the Japan Class I Specified Chemical list not used.
    - J-CHECK(English) (nite.go.jp)

Polyolefin Oligomeric Saturated Hydrocarbons (POSH)

Small amounts of oligomers are produced in the polyolefin process. Although lower molecular weight hydrocarbons are more readily removed, higher molecular weight hydrocarbons are reasonably anticipated to be present.

Other information

Country of origin (COO): Contact your sales person or Customer Account Coordinator (CAC).

Only Representative (OR) Services: Contact your sales representative.

ISO 9000/ Quality: See this link

CMRs: See EU SDS for statement on Regulation (EC) No. 1272/2008 of the European Parliament and of the Council or US SDS section 2.

US EPA SARA: See SDS

SDS Product Finder: Enter SDS product name or number
https://www.cpchem.com/what-we-do/product-finder

California act: California Transparency in Supply Chains Act (CPSIA):