

Updated: January 14, 2026

Marlex® Polypropylene Appendix to PRO:

Substances and Chemicals

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

- 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)
- Anthraquinone (CAS No.® 84-65-1)
- 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
- Benzalkonium chloride (BAC; CAS No.® 63449-41-2)
- 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)

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- 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)
- Cholécalciférol; Vitamin D3 (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)

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- Dechlorane Plus™ flame retardant; (DP); 1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4,7,10-dimethanodibenzo[a,e]cyclooctene; Bis(hexachlorocyclopentadieno)cyclooctane (CAS RN® 13560-89-9) EU POPs 2025/1930; EU SVHC
- 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 fumarate (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; DMPA (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)
- Epoxidized Soybean Oil
- Epoxy derivatives listed in EU Directives 2002/16/EC and 1895/2005
- Epoxy Silanes
- 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)

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- Glycerin or glycerol (CAS No.® 56-81-5)
- Glycidyl fatty acid esters or glycidyl silanes
- Glyoxal; 1,2-Ethanedione (CAS No.® 107-22-2)
- Glyphosphate (CAS No.® 107-83-6)
- 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 C6H4SNSH (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)
- Methyl dibromo Glutaronitrile (CAS No.® 35691-65-7)
- Methyl ethyl ketone (MEK); Methyl isobutyl ketone (MIBK; CAS No.® 108-10-1)
- Methyl fumarate or mono-methyl fumerate (CAS No.® 2756-87-8; C5H6O4)
- Methylmercuric chloride (CAS® No 115-09-3)
- N-Methylpyrrolidone (NPM; CAS No.® 872-50-4)
- Methyl Salicylate (CAS RN® 119-36-8)

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- Methyleneedianiline (CAS RN® 101-77-9)
- Microorganisms, yeast, mold, or bacteria not intentionally contained
- 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-ethyl pyrrolidone (NEP; CAS® No. 2687-91-4)
- 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™ flame retardant, 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)
- 2, 4-pentanedione (CAS No.® 123-54-6)
- Perchlorates
- Perchloroethylene (CAS No.® 27-18-4)
- Pesticides and fungicides e.g. Mancozeb (CAS RN® 8018-01-7)
- 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, orthophthalates (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.

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- Poly- and perfluoroalkyl substances (PFAS), as perfluorooctanoic acid (PFOA) or perfluorooctane 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 polycyclic aromatic hydrocarbons
- Polydimethylsiloxane (PDMS; silicone; CAS No.® 9006-65-9) not intentionally contained
- Polyethylene terephthalate (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)phenoxy]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; Benzene-1,3-diol (CAS No.® 108-46-3)
- Rice plant derived substances
- Selenium
- Semicarbazide (CAS No.® 57-56-7)
- Silicic acid, sodium salt; Sodium silicate (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 antimonate (CAS No.® 15432-85-6)
- 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)

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- 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 dibenz p-dioxin (TCDD; CAS No.® 1746-01-6)
- 2,3,7,8 Tetrachloro dibenz 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)
- Titanium Acetylacetone (CAS No.® 17501-79-0)
- 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 this product does not intentionally use nitrosamine or the following:

- 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

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- 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
- Dimethylacetamide/ N,N-dimethylacetamide (DMA) or Diethylacetamide (DEA),
- N-Nitroso-N-methyl-4-aminobutyric acid (NMBA)
- N-nitrozodiiizopropylamine (DIPNA, CAS® 601-77-4), N-nitrozoethylizopropylamine (EIPNA)
- Triethylamine, Diethylamine, Monoethylamine, Diethanolamine, Trimethylamine, Dimethylamine
- Tributylamine (TBA), Dibutylamine
- Diisopropylethylamine (DIPEA)
- N-Methylmorpholine (NMM)
- Tetra Butyl Ammonium Bromide (TBAB)

These substances are not used in the formulation of this product and to the best of our knowledge are not used in the production process for this product.

PFAS

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

- PFAS as listed by the National Defense Authorization Act for Fiscal Year 2020 (NDAA) for TRI and through 2025 reporting year (196 substances) 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); Undecafluorohexanoic acid; Perfluorocaproic acid CAS RN® 307-24-4 and related compounds.
- Perfluorohexane sulfonic acids (PFHxS) CAS RN® 355-46-4], its salts, and related compounds: EU 2023/1608
- 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.

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- Perfluorododecanoic acid (PFDa) CAS RN® 307-55-1 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.
- CAS RN® 307-24-4 and related compounds.
- 2-(N-Ethylperfluoroctanesulfonamido)acetic acid; N-Ethyl perfluoroctanesulfonamidoacetic acid; Glycine, N-ethyl-N-[(heptadecafluoroctyl)sulfonyl]- CAS RN® 2991-50-6 and related compounds.
- 2-(N-Methylperfluoroctanesulfonamido)acetic acid; Glycine, N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]-N-methyl-; Glycine, N-[(heptadecafluoroctyl)sulfonyl]-N-methyl-; (Me-PFOSA-AcOH; NMeFOSAA) CAS RN® 2355-31-9 and related compounds.
- Perfluoropentanoic acid; Perfluorovaleric acid (PFPeA) CAS RN® 2706-90-3 and related compounds.
- Perfluorodecane sulfonic acid; henicosfluorodecanesulphonic acid; (PFDS) CAS RN® 335-77-3
- Perfluorononanesulfonic acid (PFNS) CAS RN® 68259-12-1 and related compounds.
- Perfluoroheptanesulfonic acid (PFHpS) CAS RN® 375-92-8 and related compounds.
- Perfluorononanesulfonic acid (PFPeS) CAS RN® 2706-91-4 and related compounds.
- Perfluoroctanesulfonamide (PFOSA) CAS RN® 754-91-6 and related compounds.
- Heptadecafluorodecanesulphonic acid; 1H,1H,2H,2H-Perfluorodecanesulphonic acid CAS RN® 39108-34-4 and related compounds.
- 2-(PERFLUOROHEXYL)ETHANE-1-SULFONIC ACID; 6:2 fluorotelomer sulfonic acid (6:2 FTSA) CAS RN® 27619-97-2 and related compounds.
- 6:2 fluorotelomer acrylate; (6:2 FTAc) (CAS RN® 17527-29-6) a.k.a. 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoroctyl prop-2-enoate and related compounds.
- Perfluorohexanesulphonic acid; 3,3,4,4,5,5,6,6,6-Nonafluoro-1-hexanesulfonic Acid; 4:2 FTS; 3,3,4,4,5,5,6,6,6-Nonafluorohexane-1-sulfonic Acid; CAS RN® 757124-72-4 and related compounds.
- N-Methylperfluoroctanesulfonamidoethanol CAS RN® 24448-09-7 and related compounds.
- Perfluorocarboxylic acids, (e.g. C9-C14 PFCAs linear and branched), their salts, and related substances per (EU) 2021/1297.
- Pentafluoropropionic acid; Pentafluoropropionate (PFPrA) CAS RN® 422-64-0

Clean Air

This product does not intentionally contain ozone depleting substances, including those listed in Regulation (EC) No 1005/2009 or Class I or Class II Ozone-Depleting substances regulated by the US Clean Air Act (CAA Section 602).

Nanomaterial

This product is not a nanomaterial and does not contain any intentionally added functional nanoparticles.

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Conflict Minerals

Neither tantalum, tin, gold, and tungsten, nor the minerals associated with these metals (Columbite-Tantalite, Cassiterite, Gold, or Wolframite) are intentionally added to this product. These substances are not necessary to the production of this product.

Microparticles (a.k.a. microplastics) (EU) 2023/2055

On September 27, 2023, the European Commission adopted an amendment to Regulation (EC) No 1907/2006, known as REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals), specifically addressing the intentional addition of microplastics. This amendment, Commission Regulation (EU) 2023/2055, is listed as Entry 78 in REACH Annex XVII and focuses on the restriction of synthetic polymer microparticles, commonly referred to as microplastics.

Marlex® Polypropylene, supplied as plastic pellets, meets the definition of synthetic polymer microparticles under condition (b)(i). While the regulation imposes restrictions on the market placement of these microparticles as outlined in Paragraph 1 of the "Conditions of restrictions," it also provides an exemption. According to Paragraph 4(a), the restrictions do not apply to synthetic polymer microparticles intended for use at industrial sites. This exemption is relevant to CPChem Marlex® Polypropylene when used at industrial sites.

To understand how this regulation affects your company's products, please refer to the EU Entry 78 regulation available through the following links:

Entry 78: <https://echa.europa.eu/documents/10162/a5eaa862-fa4d-2e18-f5a5-3bda98e09ee7>

Full regulation: [Commission Regulation \(EU\) 2023/2055 amending Annex XVII to Regulation \(EC\) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals \(REACH\) as regards synthetic polymer microparticles. : Commission Regulation \(EU\) 2023/... of 25 September 2023 amending Annex XVII to Regulation \(EC\) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals \(REACH\) as regards synthetic polymer microparticles\)](https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32023R0255)

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, 2021/277, EU 2023/1608 (PFHxS) and EU 2025/1930 Bis(hexachlorocyclopentadieno)cyclooctane, (C18H12Cl12 , CAS RN® 13560-89-9; a.k.a. Dechlorane Plus™ flame retardant; DP) 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/AnnexIIChemicals/tabid/1132/language/en-US/Default.aspx>

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- Persistent, Bioaccumulative, and Toxic (PBT) substances 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)
- US Lacey Act, EU Timber Regulation 995/2010; [FLEGT](#) or [CITES](#) licenses: This requirement is not applicable to polyethylene pellets, this product does not utilize timber or timber products.
- 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

Only Representative (OR) Services: Contact your Customer Account Coordinator (CAC), Customer Service Representative (CSR) or sales representative.

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

Animal Testing: See [Link](#) (*click link for Animal Testing Policy*)

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

California act: <https://www.cpchem.com/california-transparency-supply-chains-act-disclosure-sb657>
California Transparency in Supply Chains Act (CPSIA)

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