

RED X LIST

Chemicals of Concern PFAS

Key:

CAS #	Chemical Abstracts Service Number
GS Score	GreenScreen® for Safer Chemicals Score
P	Persistent
ST RE	Specific Organ Toxicity, Repeated Exposure

The entire class of perfluoroalkyl and polyfluoroalkyl (PFAS) chemicals should be avoided. PFAS are a class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom. This is a list of the most frequently found PFAS in cosmetic products.

Chemical Name	CAS #	GS Score	Hazards
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene, 1,1-difluoroethene and tetrafluoroethene	108144-05-4	None	
1-Propanaminium, N-(2-carboxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-1-oxonyl)amino]-N,N-dimethyl-, inner salt	119131-05-4	None	
Polysilicone-7	146632-08-8	None	
Butane, 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-	163702-07-6	None	
Propane, 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoro-	163702-08-7	None	
Trimethylsiloxy silica, copolymer with 1,1,2,2-tetrahydroperfluoro-1-decanol	254889-67-3	None	
Polysiloxanes, di-Me, Me 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-nonadecafluorododecyl	259725-95-6	None	
Ethene, tetrafluoro-, oxidized, polymerized, reduced, decarboxylated, C10 fraction	274918-03-5	None	
Naphthalene, octadecafluorodecahydro-	306-94-5	None	
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	51851-37-7	LT-Unk	
Methyl perfluorobutyl ketone	678-18-2	None	
Polytetrafluoroethylene (PTFE)	9002-84-0	BM-1	P, ST RE
Phosphoric acid, mono(.gamma.-.omega.-perfluoro-C8-14-alkyl) esters, compounds with diethanolamine	92332-26-8	None	
perfluorononyl dimethicone	259725-95-6	None	
octafluoropentyl methacrylate	355-93-1	None	
perfluorodecalin	306-94-5	None	
perfluorohexane	355-42-0	None	
methyl perfluorobutyl ether	163702-08-7	None	
methyl perfluoroisobutyl ether	163702-08-7	None	

Chemical Name	CAS #	GS Score	Hazards
c9-15 fluoroalcohol phosphate	223239-92-7	None	
perfluorooctyl triethoxysilane	51851-37-7	None	
perfluoromethylcyclopentane	1805-22-7	None	
pentafluoropropane	460-73-1	None	
trifluoropropyldimethyl/trimethylsiloxysilicate	56275-01-5	None	
acetyl trifluoromethylphenyl valylglycine	379685-96-8	None	
trifluoroacetyl tripeptide-2	64577-63-5	None	
tetradecyl aminobutyroylvalylaminobutyric urea trifluoroacetate	934368-60-2	None	
ethyl perfluorobutyl ether	163702-06-5	None	
perfluoroperhydrophenanthrene	2005-03-27	None	
tetrafluoropropene	754-12-1	None	
ethyl perfluoroisobutyl ether	163702-06-5	None	
polyperfluoromethylisopropyl ether	69991-67-9	None	
dimethiconol fluoroalcohol dilinoleic acid	NA	None	
diethylaminoethyl methacrylate/hema/perfluorohexylethyl methacrylate crosspolymer	105-16-8	None	
ammonium c6-16 perfluoroalkylethyl phosphate	65530-72-5	None	
pentapeptide-34 trifluoroacetate	NA	None	
dechloro dihydroxy difluoro ethylcloprostenolamide	1185851-52-8	None	
polyperfluoroethoxymethoxy difluoroethyl peg phosphate	88645-29-8	None	
perfluorononylethyl stearyl dimethicone	882878-48-0	None	
perfluorooctyl triethoxysilane/perfluorohexylethyl triethoxysilane	51851-37-7	None	
perfluorodimethylcyclohexane	26637-68-3	None	
decafluoropentane	138495-42-8	None	
trifluoromethyl c1-4 alkyl dimethicone	NA	None	
perfluorononylethyl carboxydecyl peg-10 dimethicone	NA	None	
chlorotrifluoropropene	2730-43-0	None	
dioctyldodecyl fluoroheptyl citrate	214334-16-4	None	