



Walgreens Boots Alliance Restricted Substance List (RSL)

As of 1 January 2025

Walgreens Boots Alliance is committed to transparent, responsible, proactive chemicals management and will go beyond regulatory requirements by adopting positions on unregulated chemicals such as prohibiting, eliminating, substituting or restricting chemicals in products where we have identified a cause for concern.

The WBA Restricted Substance List identifies chemicals of concern for WBA's Own or Owned Brand Formulated Cosmetic (Baby, Beauty and Personal Care) and Formulated Household Cleaning product categories that are sourced for retail sale by:

- any of WBA's Divisions and Businesses
- any entity in which the Company has a controlling interest
- all cross-Divisional functions
- and the Corporate function(s).

The Restricted Substance List contains:

1. A Prohibited List – the chemicals on this list **MUST NOT** be present or intentionally added.
2. An Elimination List - chemicals to be eliminated within the defined time period.
3. A Horizon Scanning List - chemicals which do not, as yet, have a formal WBA decision on whether to prohibit, eliminate or restrict. They are being closely monitored with the possibility that they will be added to the Elimination List and ultimately to the Prohibited List at a future date depending on new information.



1. Prohibited List

The following chemicals are PROHIBITED and must not be present, or intentionally added, to any WBA's Own or Owned Brand Formulated Cosmetic (Baby, Beauty and Personal Care) or Formulated Household Cleaning products:

Chemical Class/Name		CAS Number (where available)
Solvent Allergen	Dicaprylyl maleate	2915-53-9
Antiseptics	Triclocarban	101-20-2; 1322-40-3
	Triclosan	3380-34-5
Colors	CI 26100	85-86-9
Formaldehyde & Formaldehyde Donors (Releasers) ¹	5-Bromo-5-Nitro-1,3-Dioxane	30007-47-7
	Formaldehyde	50-00-0
	Glyoxal	107-22-2
	Quaternium 15	4080-31-3
	Sodium hydroxymethylglycinate	70161-44-3
	Toluenesulfonamide Formaldehyde	25035-71-6
Nonylphenol & NP Ethoxylates ²	1-Ethoxy-3-nonylbenzene	28679-13-2
	2-[2-[2-[2-[2-(4-Nonylphenoxy)ethoxy] ethoxy]ethoxy]ethoxy]ethoxy]ethanol	34166-38-6
	2-Nonylphenol	136-83-4
	2-sec-butylphenol	89-72-5
	2,3,6-trimethyl-phenol	2416-94-6
	2,4-di-tert-butylphenol	96-76-4
	2,4-Di-tert-pentylphenol	120-95-6
	2,4,6-Tri-t-butylphenol	732-26-3
	2,6-Di-tert-butyl-4-sec-butylphenol	17540-75-9
	20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	27942-27-4
	3-Nonylphenol	139-84-4
	3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29- (nonylphenoxy)-	27177-08-8



Chemical Class/Name		CAS Number (where available)
Nonylphenol & NP Ethoxylates (Continued)	4-(1-Ethyl-1-Methylhexyl)Phenol	52427-13-1
	4-alpha-Cumylphenol	599-64-4
	4-dodecyl-phenol	104-43-8
	4-Nonylphenol	104-40-5
	4-nonylphenol (branched)	84852-15-3
	4-Nonylphenol (Linear)	104-40-5
	4-Nonylphenol, ethoxylated	127087-87-0
	4-tert-Butylphenol	98-54-4
	4-tert-Octylphenol	140-66-9
	Barium, carbonate nonylphenol complexes	68515-89-9
	Dinonylphenol	1323-65-5
	Dodecylphenol	27193-86-8
	ethanol, 2-(4-nonylphenoxy)	104-35-8
	Ethanol, 2-[2-(4-nonylphenoxy)ethoxy]-	20427-84-3
	Isononylphenol (mixed isomers)	11066-49-2
	nonoxynol 10	9016-45-9
	Nonoxynol 9	14409-72-4
	Nonoxynol-1	27986-36-3
	Nonoxynol-2	27176-93-8
	Nonoxynol-4	7311-27-5
	Nonoxynol-8	27177-05-5
	Nonoxynol-9	26027-38-3; 26571-11-9
	Nonyl phenol ethoxylate blend	63496-57-1
	Nonylphenol	25154-52-3
Nonylphenol, branched, ethoxylated	68412-54-4; 68987-90-6	
Nonylphenoxypoly(ethyleneoxy) ethyl phosphate, sodium salt	37340-60-6	
O-isononylphenol	27938-31-4	
Oxirane, methyl-, polymer with oxirane, mono(nonylphenyl) ether, branched	68891-11-2; 37251-69-7	



Chemical Class/Name		CAS Number (where available)
Nonylphenol & NP Ethoxylates (Continued)	P-(1-Methyloctyl)Phenol	17404-66-9
	P-(1,1-Dimethylheptyl)Phenol	30784-30-6
	P-Isononylphenol	26543-97-5
	Phenol, nonyl-, branched	90481-04-2
	Poly(oxy 1,2 ethanediyl),. alpha. (nonylphenyl). omega. hydroxy, phosphate	68412-53-3; 51811-79-1
	Poly(oxy 1,2 ethanediyl), a (isononylphenyl) w hydroxy	37205-87-1
	Polyethyleneglycol nonylphenyl ether, ammonium salt	9051-57-4
Branched-chain Parabens	Isobutylparaben	4247-02-3
	Isopropylparaben	4191-73-5
	Potassium butylparaben	38566-94-8
	Potassium propylparaben	84930-16-5
Per- and polyfluoroalkyl substances (Perfluorinated Chemical/ PFAS) ³	Acrylates/Methoxy PEG-23 Methacrylate/Perfluorooctyl Ethyl Acrylate Copolymer	
	Acrylates/Perfluorohexylethyl Methacrylate Copolymer	1557087-30-5
	Acrylates/Trifluoropropylmethacrylate/Polytrimethyl Siloxymethacrylate Copolymer	
	Acrylic Acid/Perfluorohexylethyl Acrylate Crosspolymer	1820790-78-0
	Ammonium C6-16 Perfluoroalkylethyl Phosphate	65530-70-3; 65530-71-4; 65530-72-5
	Ammonium C9-10 Perfluoroalkylsulfonate	
	Ammonium Heptadecafluorooctanesulfonate	29081-56-9
	Ammonium Nonadecafluorodecanoate	3108-42-7
	Ammonium Pentadecafluorooctanoate	3825-26-1
	Ammonium Perfluorohexyl Ethylphosphates	1764-95-0
	Ammonium Perfluorononanoate	4149-60-4
	AMP-C8-18 Perfluoroalkylethyl Phosphate	65530-64-5
	Behenyl Methacrylate/Perfluorooctylethyl Methacrylate Copolymer	
	Butyl Acrylate/C6-14 Perfluoroalkylethyl Acrylate/Mercaptopropyl Dimethicone Copolymer	
C12-16 Alkyl PEG-7 Methacrylate/Perfluorohexylethyl Methacrylate Copolymer		
C20-28 Alkyl Perfluorodecylethoxy Dimethicone		
PFAS (Continued)		



Chemical Class/Name		CAS Number (where available)
PFAS (Continued)	C4-18 Perfluoroalkylethyl Thiohydroxypropyltrimonium Chloride	70983-60-7
	C6-12 Perfluoroalkylethanol	68391-08-2
	C6-14 Perfluoroalkylethyl Acrylate/HEMA Copolymer	
	C8-18 Fluoroalcohol Phosphate	
	C9-13 Fluoroalcohol	
	C9-15 Fluoroalcohol Phosphate	
	DEA-C8-18 Perfluoroalkylethyl Phosphate	65530-63-4; 65530-64-5
	DEA-Perfluorohexyl Ethylphosphates	
	DEA-Polyperfluoroethoxymethoxy PEG-2 Phosphate	
	Diethanolamine Perfluorooctane Sulfonate	70225-14-8
	Diethylaminoethyl Methacrylate/HEMA/Perfluorohexylethyl Methacrylate Crosspolymer	
	Dimethiconol Fluoroalcohol Dilinoleic Acid	
	Dioctyldodecyl Fluoroheptyl Citrate	214334-16-4
	Ethyl Perfluorobutyl Ether	163702-05-4
	Ethyl Perfluoroisobutyl Ether	163702-06-5
	Fluoro C2-8 Alkyldimethicone	
	Heptadecafluorooctane-1-sulfonic acid	1763-23-1
	Hexafluoropropylene/Tetrafluoroethylene Copolymer	25067-11-2
	Hydrogen Trifluoropropyl Dimethicone	766542-38-5
	Isobutylmethacrylate/Trifluoroethylmethacrylate/Bis-Hydroxypropyl Dimethicone Acrylate Copolymer	321735-42-6
	Isopropyl Titanium Triisostearate/Perfluorooctyl Triethoxysilane Crosspolymer	
	Lithium heptadecafluorooctanesulfonate	29457-72-5
	Methyl Perfluoro Butyl/Isobutyl Ether	163702-07-6 (isomer); 163702-08-7 (isomer)
Methyl Perfluorobutyl Ether	163702-07-6	
Methyl Perfluoroisobutyl Ether	163702-08-7	
Nonadecafluorodecanoic acid	335-76-2	



Chemical Class/Name		CAS Number (where available)
PFAS (Continued)	Octafluoropentyl Methacrylate	355-93-1
	PEG-10 Acrylate/Perfluorohexylethyl Acrylate Copolymer	
	PEG-10 Nonafluorohexyl Dimethicone Copolymer	
	PEG-10 Trifluoropropyl Dimethicone Copolymer	
	PEG-4 Trifluoropropyl Dimethicone Copolymer	
	PEG-8 Trifluoropropyl Dimethicone Copolymer	
	Pentafluoropropane	460-73-1
	Perfluoro Dimethylethylpentane	50285-18-2
	Perfluoro t-Butylcyclohexane	84808-64-0
	Perfluorobutoxydiglycol Difluoroethoxy Propyl Trimethoxysilane	
	Perfluorobutylcyclohexane	374-60-7
	Perfluorobutylethyl Dimethicone	
	Perfluorocaprylyl Bromide	423-55-2
	Perfluorocaprylyl Triethoxysilylethyl Methicone	
	Perfluorocyclohexylmethanol	28788-68-3
	Perfluorodecalin	306-94-5
	Perfluorodimethylcyclohexane	26637-68-3, 335-27-3
	Perfluoroheptane	335-57-9
	Perfluorohexane	355-42-0
	Perfluorohexyl Ethylphosphonic Acid	252237-40-4
	Perfluorohexylethoxy Dimethicone	
	Perfluorohexylethyl Dimethylbutyl Ether	210896-25-6
Perfluorohexylethyl Triethoxysilane	51851-37-7	
Perfluoroisohexane	355-04-4	
Perfluoromethylcyclohexane	355-02-2	
Perfluoromethylcyclopentane	1805-22-7	
Perfluoromethyldecalin	51294-16-7	
Perfluorononanoic acid	375-95-1	



Chemical Class/Name		CAS Number (where available)
PFAS (Continued)	Perfluorononyl Dimethicone	882878-48-0
	Perfluorononyl Dimethicone/Methicone/Amodimethicone Crosspolymer	
	Perfluorononyl Octyldodecyl Glycol Grapeseedate	
	Perfluorononyl Octyldodecyl Glycol Meadowfoamate	
	Perfluorononylethyl Carboxy PEG-7 Dimethicone Phosphate	
	Perfluorononylethyl Carboxydecyl Behenyl Dimethicone	
	Perfluorononylethyl Carboxydecyl Hexacosyl Dimethicone	
	Perfluorononylethyl Carboxydecyl Lauryl Dimethicone	
	Perfluorononylethyl Carboxydecyl Lauryl/Behenyl Dimethicone	
	Perfluorononylethyl Carboxydecyl PEG-10 Dimethicone	
	Perfluorononylethyl Carboxydecyl PEG-8 Dimethicone	
	Perfluorononylethyl Dimethicone/Methicone Copolymer	
	Perfluorononylethyl PEG-8 Dimethicone	
	Perfluorononylethyl PEG-8 Phenylisopropyl Dimethicone	
	Perfluorononylethyl Stearyl Dimethicone	
	Perfluorooctanoic acid	335-67-1
	Perfluorooctylethyl Triethoxysilane	101947-16-4
	Perfluorooctylethyl Trimethoxysilane	83048-65-1
	Perfluorooctylethyl Trisiloxane	163921-85-5
	Perfluorooctylethyl/Diphenyl Dimethicone Copolymer	
	Perfluoroperhydrobenzyl Tetralin	116265-66-8
	Perfluoroperhydrofluorene	307-08-4
	Perfluoroperhydrophenanthrene	306-91-2
	Perfluoropropane	76-19-7
	Perfluoropropoxy (Perfluoro PPG)-9 Dimethylaminopropylamide	
Perfluoropropylene/Vinylidene Difluoride Copolymer	9011-17-0	
Perfluorotetralin	2342-07-6	
Polychlorotrifluoroethylene	9002-83-9	



Chemical Class/Name		CAS Number (where available)
PFAS (Continued)	Polyperfluoroethoxymethoxy Difluoroethyl PEG Diisostearate	
	Polyperfluoroethoxymethoxy Difluoroethyl PEG Ether	162492-15-1
	Polyperfluoroethoxymethoxy Difluoroethyl PEG Phosphate	
	Polyperfluoroethoxymethoxy Difluorohydroxyethyl Ether	88645-29-8
	Polyperfluoroethoxymethoxy Difluoromethyl Distearamide	
	Polyperfluoroethoxymethoxy Difluoromethyl Ether	161075-02-1
	Polyperfluoroethoxymethoxy PEG-2 Phosphate	162567-74-0
	Polyperfluoroisopropyl Ether	
	Polyperfluoromethylisopropyl Ether	69991-67-9
	Polyperfluoroperhydrophenanthrene	
	Polytetrafluoroethylene Acetoxypropyl Betaine	
	Potassium heptadecafluorooctane-1-sulfonate	2795-39-3
	Potassium Perfluorohexyl Ethylphosphate	1224952-82-2
	PTFE	9002-84-0
	Sodium heptadecafluorononanoate	21049-39-8
	Sodium nonadecafluorodecanoate	3830-45-3
	Sodium Perfluorohexyl Ethylphosphonate	1189052-95-6
	Stearyl Methacrylate/Perfluorooctylethyl Methacrylate Copolymer	
	TEA-C8-18 Perfluoroalkylethyl Phosphate	
	TEA-Perfluorohexyl Ethylphosphates	
	Trifluoromethyl C1-4 Alkyl Dimethicone	
	Trifluoropropyl Cyclopentasiloxane	
	Trifluoropropyl Cyclotetrasiloxane	429-67-4
	Trifluoropropyl Cyclotrisiloxane	2374-14-3
Trifluoropropyl Dimethicone	115361-68-7	
Trifluoropropyl Dimethicone/PEG-10 Crosspolymer		
Trifluoropropyl Dimethicone/Trifluoropropyl Divinyldimethicone Crosspolymer		
Trifluoropropyl Dimethicone/Vinyl Trifluoropropyl Dimethicone/Silsesquioxane Crosspolymer		



Chemical Class/Name		CAS Number (where available)
Phthalates ²	Trifluoropropyl Dimethiconol	
	Trifluoropropyl Methicone	63148-56-1
	Butyl benzyl phthalate	85-68-7
	Di-2-ethylhexyl phthalate	117-81-7
	di(N-hexyl) phthalate	84-75-3
	Dibutyl phthalate	84-74-2
	Dicyclohexyl Phthalate	84-61-7
	Diethyl phthalate	84-66-2
	Diisobutyl Phthalate	84-69-5
	Diisodecyl phthalate	26761-40-0
	Diisononyl Phthalate	28553-12-0
	Dioctyl Phthalate	117-84-0
	Dipentyl phthalate	131-18-0
Others	Toluene	108-88-3
	Methanol	67-56-1
	Xylene	1330-20-7
	Plastic Microbeads^{4&5}	9002-88-4
UV Filters	3-Benzylidene Camphor	15087-24-8
	4-Methylbenzylidene Camphor (Enzacamene)⁶	36861-47-9
	Benzophenone-2	131-55-5

¹ Not an exhaustive list. Any chemical identified as releasing formaldehyde is subject to this restriction

² Not an exhaustive list

³ Other synonyms may be used for per- and poly- fluorinated chemicals. The above list of PFAS chemicals is non-exhaustive, reference should also be made (but not limited) to the following lists:

- <https://www.saferstates.com/toxic-chemicals/pfas/>
- <https://comptox.epa.gov/dashboard/chemical-lists/pfasmaster>
- <https://www.oecd.org/chemicalsafety/risk-management/global-database-of-per-and-polyfluoroalkyl-substances.xlsx>

⁴ Plastic (UK SI 2017 No 1312): Is defined as “a synthetic polymeric substance that can be moulded, extruded or physically manipulated into various solid forms and that retains its final manufactured shape during use in its intended applications.



⁵ Microbead (UK: SI 2017 No 1312): Is defined as any water-insoluble solid plastic particle of less than or equal to 5mm in any dimension. (US: Microbead-Free Waters Act of 2015 H.R. 1321 Public Law No: 114-114 (12/28/2015)): Any solid plastic particle that is less than five millimeters in size and is intended to be used to exfoliate or cleanse the human body or any part thereof.

⁶ SPF products are classed as OTC Drugs in the US and Canada. Chemicals names are EU INCI names with the US/Canadian OTC name in brackets if different.



2. Elimination List

WBA will work collaboratively with our suppliers to facilitate the elimination of chemicals listed on the Elimination List through reformulation of products by the Elimination Date indicated.

WBA is in the process of identifying chemicals to be included in the Elimination List, which will be communicated to suppliers once finalized.

The following chemicals must not be intentionally added to any WBA's Own or Owned Brand Formulated Cosmetic (Baby, Beauty and Personal Care) or Formulated Household Cleaning products by the dates shown.

In moving to remove these chemicals, we encourage suppliers to select suitable alternatives, for example by utilising the US Environmental Protection Agency (EPA) Safer Choice program www.epa.gov/saferchoice; or, the International Chemical Secretariat (ChemSec) Marketplace

3. Horizon Scanning List (HSL)

The chemicals listed below are neither Prohibited or scheduled for Elimination at the date of issue of this document.

This Horizon Scanning List is provided to give advance notice of chemicals that the WBA Chemicals, Regulatory and/or Safety teams have identified as possible candidates for future (additional) restrictions or prohibitions for the reasons outlined.

These chemicals will be periodically reviewed and, if additional restrictions or prohibitions are deemed necessary, they will be added to the relevant lists with suitable transition times to be agreed with suppliers for bringing affected products into compliance.

It is the decision of the No7 Beauty Company, Boots UK and Walgreens Technical teams to determine if they wish to further prohibit or restrict the use of any chemicals listed below at the time of any NPD briefing to suppliers. Any such additional requirements will be explicitly specified in the product brief.

Function	Chemical	CAS No:	Commentary
Antioxidant	BHA (Butylated Hydroxyanisole)	25013-16-5	Under scrutiny due to being a suspected endocrine disruptor. Lack of support within cosmetics industry to defend continued use.
UV filters	Benzophenone-1	131-56-6	Under scrutiny due to being a suspected endocrine disruptor. An SCCS mandate was published in 2023 to determine if use as a light stabilizer up to 2% in cosmetic products is safe.
	Benzophenone-4* (Sulisobenzone)	4065-45-6	Under scrutiny due to being a suspected endocrine disruptor. An SCCS mandate was published in 2023 to determine if use as a UV filter up to 5% in cosmetic products is safe.
	Benzophenone-5	6628-37-1	Under scrutiny due to being suspected endocrine disrupter. Included on the Priority B list for assessment as an Endocrine Disruptor by the EU Commission. No mandate for an SCCS assessment has been issued yet.
	Octocrylene*	6197-30-4	Following a regulatory update in the EU Cos Regs in 2023 based on Human safety considerations, in October 2023 a new assessment process was initiated by French authorities to prohibit Octocrylene use based on environmental concerns. A draft restriction is expected to be published in October 2024.
	Ethylhexyl Methoxycinnamate* (Octinoxate)	5466-77-3	Under scrutiny due to being a suspected endocrine disrupter. Prohibited, or proposals to prohibit, in some US states/territories due to alleged reef damaging properties.



Function	Chemical	CAS No:	Commentary
Plastic	Microplastics	Various	EU legislation to prohibit Microplastics (Synthetic Polymer Microparticles) entered into law in 2023, with 4 – 12 year transition times based on product type. Other territories may pass similar legislation.
Silicones	Cyclopentasiloxane (D5)	541-02-6	EU legislation to restrict use of D5/D6 in leave-on products (max 0.1%) due to chemicals being classified as environmental hazards will be published during 2024 with a 3-year time period to reformulate. NOTE – D5/D6 are already restricted from 31 st January 2020 to max 0.1% in rinse-off products.
Silicones	Cyclohexasiloxane (D6)	540-97-6	
Other	Tea Tree (<i>Melaleuca alternifolia</i>) oil	68647-73-4 8022-72-8	Under scrutiny as a proposed CMR (reprotox) category 1b
Other	Titanium Dioxide (nano)	53936-56-4	Under scrutiny for possible genotoxicity in products that may be orally ingested (e.g. Lip).

*Sunscreen products are classed as OTC Drugs in the US and Canada. Chemicals names listed are the EU INCI names with the US/Canadian OTC name in brackets if different.

NOTE: Those listed without a * are not approved OTC sunscreen chemicals in the US and/or Canada.