



## Walgreens Boots Alliance Chemicals Action List (CAL)

### As of 1 January 2022

Walgreens Boots Alliance is committed to responsible 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 Chemicals Action List identifies chemicals of concern for Cosmetic (Baby, Beauty and Personal Care) and 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 Chemicals Action 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 a defined time period.
3. A Stewardship List - chemicals which do not, as yet, have a formal WBA decision on whether to prohibit, eliminate or restrict. They will be closely monitored with a view to adding initially to the Elimination List and ultimately to the Prohibited List at a future date.

**1. Prohibited List**

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

<b>Chemical Class/Name</b>	<b>CAS Number</b>
Solvent Allergen	<b>Dicaprylyl maleate</b> 2915-53-9
Antiseptic	<b>Triclosan</b> 3380-34-5
Colors	<b>CI 26100</b> 85-86-9
Formaldehyde & Formaldehyde Donors (Releasers) <sup>1</sup>	<b>5-Bromo-5-Nitro-1,3-Dioxane</b> 30007-47-7
	<b>Formaldehyde</b> 50-00-0
	<b>Glyoxal</b> 107-22-2
	<b>Quaternium 15</b> 4080-31-3
	<b>Sodium hydroxymethylglycinate</b> 70161-44-3
	<b>Toluenesulfonamide Formaldehyde</b> 25035-71-6
	<b>Methanediol</b> 463-57-0
Nonylphenol & NP Ethoxylates <sup>2</sup>	<b>1-Ethoxy-3-nonylbenzene</b> 28679-13-2
	<b>2-[2-[2-[2-[2-(4-Nonylphenoxy)ethoxy] ethoxy]ethoxy]ethoxy]ethoxy]ethanol</b> 34166-38-6
	<b>2-Nonylphenol</b> 136-83-4
	<b>2-sec-butylphenol</b> 89-72-5
	<b>2,3,6-trimethyl-phenol</b> 2416-94-6
	<b>2,4-di-tert-butylphenol</b> 96-76-4
	<b>2,4-Di-tert-pentylphenol</b> 120-95-6
	<b>2,4,6-Tri-t-butylphenol</b> 732-26-3
	<b>2,6-Di-tert-butyl-4-sec-butylphenol</b> 17540-75-9
	<b>20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol</b> 27942-27-4
	<b>3-Nonylphenol</b> 139-84-4
	<b>3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29- (nonylphenoxy)-</b> 27177-08-8
	<b>4-(1-Ethyl-1-Methylhexyl)Phenol</b> 52427-13-1
	<b>4-alpha-Cumylphenol</b> 599-64-4
	<b>4-dodecyl-phenol</b> 104-43-8



Chemical Class/Name	CAS Number
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
Nonylphenoxy poly(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
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



Chemical Class/Name	CAS Number	
	<b>Poly(oxy 1,2 ethanediyl),. alpha. (nonylphenyl). omega. hydroxy, phosphate</b>	68412-53-3;,51811-79-1
	<b>Poly(oxy 1,2 ethanediyl), a (isononylphenyl) w hydroxy</b>	37205-87-1
	<b>Polyethyleneglycol nonylphenyl ether, ammonium salt</b>	9051-57-4
Branched-chain Parabens	<b>Isobutylparaben</b>	4247-02-3
	<b>Isopropylparaben</b>	4191-73-5
	<b>Potassium butylparaben</b>	38566-94-8
	<b>Potassium propylparaben</b>	84930-16-5
Phthalates <sup>2</sup>	<b>Butyl benzyl phthalate</b>	85-68-7
	<b>Di-2-ethylhexyl phthalate</b>	117-81-7
	<b>di(N-hexyl) phthalate</b>	84-75-3
	<b>Dibutyl phthalate</b>	84-74-2
	<b>Dicyclohexyl Phthalate</b>	84-61-7
	<b>Diethyl phthalate</b>	84-66-2
	<b>Diisobutyl Phthalate</b>	84-69-5
	<b>Diisodecyl phthalate</b>	26761-40-0
	<b>Diisononyl Phthalate</b>	28553-12-0
	<b>Diocetyl Phthalate</b>	117-84-0
	<b>Dipentyl phthalate</b>	131-18-0
Others	<b>Toluene</b>	108-88-3
	<b>Methanol</b>	67-56-1
	<b>Xylene</b>	1330-20-7
	<b>Plastic Microbeads<sup>3&amp;4</sup></b>	9002-88-4
UV Filters	<b>Benzophenone-2</b>	131-55-5

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

<sup>2</sup> Not an exhaustive list

<sup>3</sup> 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.

<sup>4</sup> 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.



## 2. Elimination List

The following chemicals must be eliminated from and not be present, or intentionally added to any WBA Cosmetic (Baby, Beauty and Personal Care) and Household Cleaning products by the dates shown.

WBA will work collaboratively with our suppliers to facilitate the elimination of these chemicals through reformulation of products by the Elimination Date indicated. 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](http://www.epa.gov/saferchoice); or, the International Chemical Secretariat (ChemSec) Marketplace <https://chemsec.org/business-tool/marketplace/>.

Chemical Class	Chemical Name	CAS Number	Elimination Date
Antiseptics	<b>Triclocarban</b>	101-20-2; 1322-40-3	31 <sup>st</sup> December 2024
Perfluorinated Chemical	<b>Perfluorinated Chemicals<sup>1</sup></b>	Various	31 <sup>st</sup> December 2024
UV Filters	<b>3-Benzylidene Camphor</b>	15087-24-8	31 <sup>st</sup> December 2024
	<b>4-Methylbenzylidene Camphor (Enzacamene)<sup>2</sup></b>	36861-47-9	31 <sup>st</sup> December 2024

<sup>1</sup> See separate list for all perfluorinated chemicals that are in scope of elimination.

<sup>2</sup> 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.



### 3. Stewardship List (SL)

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

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

Function	Chemical	CAS No:	Commentary
Antioxidant	<b>BHA (Butylated Hydroxyanisole)</b>	25013-16-5	Under scrutiny due to being suspected endocrine disrupters. Listed by State of California in Proposition 65.
	<b>BHT (Butylated Hydroxytoluene)</b>	128-37-0	Under scrutiny due to being suspected endocrine disrupters. Suitable alternative anti-oxidants are widely available.
Color	<b>Resorcinol</b>	108-46-3	Under scrutiny due to being a suspected endocrine disrupter. Classified as a Skin allergen.
Preservative	<b>Methylisothiazolinone</b>	2682-20-4	Significant environmental concerns as well as human skin allergens.
	<b>Methylchlorisothiazolinone</b>	26172-55-4	
Paraben	<b>Butylparaben</b>	94-26-8	Classified as a Substance of Very High Concern (SVHC) in EU.
	<b>Ethylparaben</b>	120-47-8	Future regulatory activity to further restrict or prohibit is possible. WBA Customers may prefer not to see Paraben listed as an ingredient.
	<b>Methylparaben</b>	99-76-3	
	<b>Propylparaben</b>	94-13-3	Under scrutiny due to being a suspected endocrine disrupter.
Plastic	<b>Microplastics</b>	Various	Proposed EU legislation to prohibit use of microplastics is likely to be published in late 2021/early 2022 with a 4-6 year time period to reformulated. US State of California has similar proposals.



Silicones	<b>Cyclopentasiloxane (D5)</b>	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 2022 with a 5-year time period to reformulate.
	<b>Cyclohexasiloxane (D6)</b>	540-97-6	NOTE – D5/D6 are already restricted from 31 <sup>st</sup> January 2020 to max 0.1% in rinse-off products under EU and UK REACH Legislation.
UV filters	<b>Benzophenone-1</b>	131-56-6	As other benzophenones are under scrutiny it is possible that it will also be reviewed for human and/or environmental toxicity.
	<b>Benzophenone-3* (Oxybenzone)</b>	131-57-7	Under scrutiny due to being suspected endocrine disrupter. Prohibited or proposals to prohibit in some US states/territories due to Alleged reef damaging properties
	<b>Benzophenone-4* (Sulisobenzone)</b>	4065-45-6	As other benzophenones are under scrutiny it is possible that it will also be reviewed for human and/or environmental toxicity. Suitable product protectant chemicals are widely available.
	<b>Benzophenone-5</b>	6628-37-1	Under scrutiny due to being suspected endocrine disrupter.
	<b>Homosalate*</b>	118-56-9	Under scrutiny due to being suspected endocrine disrupter.
	<b>Octocrylene*</b>	6197-30-4	Under scrutiny due to being suspected endocrine disrupter. Prohibited, or proposals to prohibit, in some US states/territories due to alleged reef damaging properties. Will be classified in the EU as a Substance of Very High Concern (SVHC) due to environmental toxicity.
	<b>Ethylhexyl Methoxycinnamate* (Octinoxate)</b>	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.

\*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.