PRIMARK®

PRIMARK'S RESTRICTED SUBSTANCES LIST

for Primark suppliers and their supply network

Version 5.2 | February 2023

Primark's Commitment to Zero Use and Discharge of Hazardous Chemicals

FROM February 2023, THIS RESTRICTED SUBSTANCES LIST (RSL) SUPERSEDES ALL PREVIOUS VERSIONS. THIS DOCUMENT SHOULD BE USED IN CONJUNCTION WITH THE COMPLIANCE CHEMICAL TESTING MANUAL.

Our Commitment

As an international retailer, Primark is committed to reducing the environmental impact of our products at every stage of their life. We recognise the importance of reducing the environmental impact throughout the manufacturing process, and for that reason, we are committed to continuously improving our chemical management programme, in line with evolving industry standards, product specifications and technological developments.

To achieve this, Primark committed to working with other brands and industry stakeholders in 2014, to phase out hazardous chemicals from our supply chain and achieve the goal of 'zero discharge' by 2020. Further details on Primark's Detox Commitment can be found here.

Primark's RSL

Primark's RSL includes 2 restriction limits:

MRSL	PRSL
Manufacturing Restricted Substances List	Product Restricted Substances List
Restriction limits for chemical formulations used in the manufacturing process (input)	*Restriction limits for finished products and raw materials (output)*

In line with our commitment, Primark's RSL has been updated to align with the ZDHC Manufacturing Restricted Substances List (MRSL) Version 2.0. Where relevant, Primark's RSL has also been informed by international standards, such as the Minamata Convention on Mercury and the Stockholm Convention on Persistent Organic Pollutants.

Wherever possible, the substances and limits defined by ZDHC have been maintained. However, additional substances are included to align with our existing product compliance limits and in such cases, Primark MRSL limits have been defined. Primark applies acceptable limits in the process of elimination. It is the supplier's responsibility to ensure that all Primark products meet the defined limits set out in this document. Testing methods can be found in the Compliance Chemical Testing Manual. Compliance is regularly assessed through surveillance testing.

Primark's Chemicals and Pollution Management programme is managed by Primark's Environmental Sustainability Team, with support from the Quality Assurance & Compliance Team, and their network of laboratory partners who support Primark at a country level. For any assistance, please contact the Primark Environmental Manager in your region.

Who does this document apply to?

1. Direct suppliers and all facilities which use and store chemicals, including Cut-Make-Trim (CMT) and wet processing sites (for example; dyeing mill, printer, tannery, wet finishing).
2. Direct operations (Primark stores and distribution centres).

Which product categories are excluded from Primark's RSL requirements?

1. Food*
2. Cosmetics*
3. Branded goods without Primark Intellectual Property**
4. Packaging**

*Food and cosmetics are covered under our Compliance programme, please refer to the Testing Manuals on the Datalink Supplier Testing Portal.

**Branded goods without Primark Intellectual Property and packaging will be reviewed annually.

Legal Compliance

For legal limit restrictions, suppliers must reference Primark's Chemical Testing Manual, which can be found on the Datalink Supplier Testing Portal.

RSL Supporting Document

To help suppliers and facilities implement our RSL requirements, we have developed a new technical support document, the Chemical Management Guidance. This guidance is an updated version of our 2018 Implementation Toolkit.

Updates

This document will be reviewed every 12 months to support elimination beyond the Detox 11 priority chemicals.

What do suppliers and their supply network need to do?

1. All suppliers and facilities are required to sign Primark's **Environmental Sustainability Commitment** and return to environmental@primark.co.uk.

   The **Environmental Sustainability Commitment** is located on the back page of the Environmental Sustainability Requirement: Guidance for Suppliers document. This document can be found on the Supplier Extranet, in the Ethical Trading - Environmental Sustainability folder.

2. By signing this commitment, you are committing to comply with our Chemical and Pollution Management requirements including Primark's RSL. To support you in conforming with the limits set out in Primark's RSL, please distribute this RSL and Primark's Chemical and Pollution Management Guidance to all facilities you are working with for Primark production.

Primark's RSL Implementation and Transition Period

To support successful implementation of the ZDHC MRSL v2.0, there was a transition period of 12 months that started on 1 January 2020 for chemical suppliers to ensure that their chemical formulations are ZDHC MRSL v2.0 conformant, certified and registered in the ZDHC Gateway. During that transition period, we accepted both ZDHC MRSL v1.1 and v2.0 conformant chemicals. From 1 January 2021 we only accept ZDHC MRSL v2.0 certifications.

SUPPLIERS **This document comes into immediate effect**
1. Communicate Primark's RSL 2023 to facilities
2. Ensure whole supply network is conforming by requesting evidence of below action points (3-7) from your facilities

ALL OF SUPPLIER'S FACILITIES **This document comes into immediate effect**
3. Communicate Primark's RSL2023 to chemical formulators and obtain conformance statements
4. Check the chemicals supplied by your chemical formulators are listed on the ZDHC Gateway
5. Update chemical inventory list (CIL) and share with the Environmental Manager in your country

CHEMICAL FORMULATORS **This document comes into immediate effect**
6. Check conformance statements meet Primark's RSL 2023requirements
7. Upload/update your products on the ZDHC Gateway- Chemical Module and ensure that these are certified to ZDHC MRSL v2.0.

Primark's Restricted Substances List

REMINDER: Primark has banned the use and discharge of Per and Polyfluorinated chemicals (PFC's), Alkylphenols/Alkylphenol-ethoxylates (APEO's) and Phthalates, since 2015 and shipment of products containing these chemicals will be stopped.

Note:

MRSL limits with * are substances on ZDHC MRSL v1.1

MRSL limits with ** are substances added to ZDHC MRSL v2.0

MRSL limits without stars are not in ZDHC MRSL version 1.1 or 2.0 but have been included to align with Primark's existing product compliance limits.

The **ZDHC MRSL** lists limits in ppm units instead of mg/kg, however 1 mg/kg is equivalent to 1ppm

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Alkyphenol & Alkylphenol ethoxylates	Nonylphenol, mixed isomers	25154-52-3	250*	sum 10
	Octylphenol	27193-28-8	250*	sum 10
	Octylphenol, ethoxylated	various inc. 9036-19-5	500*	sum 100
	Octyl phenol ethoxylate, branched 9.5EO	various inc. 68987-90-6	500*	sum 100
	Polyoxyethylated octyl phenol	various inc. 9002-93-1	500*	sum 100
	Polyoxyethylated nonyl phenol	various inc. 9016-45-9	500*	sum 100
	Polyoxyethylated p-nonyl phenol	various inc. 26027-38-3	500*	sum 100
	Isononylphenol	11066-49-2	250*	sum 10
	4-Nonylphenol	104-40-5	250*	sum 10
	4-Nonylphenol, branched	84852-15-3	250*	sum 10
	4-Octylphenol	1806-26-4	250*	sum 10
	4-tert-Octylphenol	140-66-9	250*	sum 10
	Isononylphenol, ethoxylated	various inc. 37205-87-1	500*	sum 100
	Nonylphenol, branched, ethoxylated	various inc. 68412-54-4	500*	sum 100
	4-Nonylphenol, branched, ethoxylated	various inc. 127087-87-0	500*	sum 100

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Anti-microbials and biocides	o-Phenylphenol (+ salts)	90-43-7	5000**	1000
	Permethrin	52645-53-1	250**	1
	Triclosan	3380-34-5	250**	1
Azo Dyes forming Restricted Amines	Aniline	62-53-3	150	20
	p-Aminoazobenzene	60-09-3	150*	20
	o-Aminoazotoluene	97-56-3	150*	20
	4-Aminobiphenyl	92-67-1	150*	20
	2-Amino-4-nitrotoluene	99-55-8	150*	20
	2-Anisidine	90-04-0	150*	20
	Benzidine	92-87-5	150*	20
	4-Chloroaniline	106-47-8	150*	20
	4-Chlor-2-toluidine	95-69-2	150*	20
	p-Cresidine	120-71-8	150*	20
	2,4-Diaminoanisole	615-05-4	150*	20
	4,4'-Diaminodiphenylmethane	101-77-9	150*	20
	2,4-Diaminotoluene	95-80-7	150*	20
	3,3'-Dichlorobenzidine	91-94-1	150*	20
	3,3'-Dimethoxybenzidine	119-90-4	150*	20
	3,3'-Dimethylbenzidine	119-93-7	150*	20
	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	150*	20
	4,4'-Methylenebis-(2-chloroaniline)	101-14-4	150*	20
	2-Naphthylamine	91-59-8	150*	20
	4,4'-Oxydianiline	101-80-4	150*	20
	4,4'-Thiodianiline	139-65-1	150*	20
	2-Toluidine	95-53-4	150*	20
	2,4,5-Trimethylaniline	137-17-7	150*	20
	2,4-Xylidine	95-68-1	150*	20
	2,6-Xylidine	87-62-7	150*	20
	4-chloro-*o*-toluidinium chloride	3165-93-3	150**	20
	2-Naphthylammoniumacetate	553-00-4	150**	20
	4-methoxy-*m*-phenylene diammonium sulphate	39156-41-7	150**	20
	2,4,5-trimethylaniline hydrochloride	21436-97-5	150**	20

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Chlorinated Solvents	cis-1,2-dichloroethylene	156-59-2	5	1
	trans - 1,2-dichloroethylene	156-60-5	5	1
	1,1,1-Trichloroethane	71-55-6	5	1
	1,1,2-Trichloroethane	79-00-5	5	1
	1,1,1,2-Tetrachloroethane	630-20-6	5	1
	1,2-Dichloroethane	107-06-2	5*	1
	Dichloromethane	75-09-2	5*	1
	Tetrachloroethylene (Perchloroethylene)	127-18-4	5*	1
	Trichloroethylene	79-01-6	40*	1
	Trichloromethane (Chloroform)	67-66-3	20	5
	Vinylidene chloride (1,1-Dichloroethylene)	75-35-4	50	10
	Carbon tetrachloride CCl4	56-23-5	5	1
	Benzyl chloride	100-44-7	5 / dyes 100**	1

Chlorobenzenes	Monochlorobenzene	108-90-7	200*	sum 1
	1,2-Dichlorobenzene	95-50-1	1000*	sum 1
	1,3-Dichlorobenzene	541-73-1	sum 200*	sum 1
	1,4-Dichlorobenzene	106-46-7		sum 1
	Trichlorobenzenes, all isomers	Several	sum 200*	sum 1
	1,2,3-Trichlorobenzene	87-61-6		sum 1
	1,2,4-Trichlorobenzene	120-82-1		sum 1
	1,3,5-Trichlorobenzene	108-70-3		sum 1
	Tetrachlorobenzenes, all isomers	Several	sum 200*	sum 1
	1,2,3,4-Tetrachlorobenzene	634-66-2		sum 1
	1,2,3,5-Tetrachlorobenzene	634-90-2		sum 1
	1,2,4,5-Tetrachlorobenzene	95-94-3		sum 1
	Pentachlorobenzene	608-93-5	200*	sum 1
	Hexachlorobenzene	118-74-1	200*	sum 1

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Chlorophenols	2-Chlorophenol	95-57-8	sum 50*	0.5
	3-Chlorophenol	108-43-0	sum 50*	0.5
	4-Chlorophenol	106-48-9	sum 50*	0.5
	2,3-Dichlorophenol	576-24-9	sum 50*	0.5
	2,4-Dichlorophenol	120-83-2	sum 50*	0.5
	2,5-Dichlorophenol	583-78-8	sum 50*	0.5
	2,6-Dichlorophenol	87-65-0	sum 50*	0.5
	3,4-Dichlorophenol	95-77-2	sum 50*	0.5
	3,5-Dichlorophenol	591-35-5	sum 50*	0.5
	2,3,4-Trichlorophenol	15950-66-0	sum 50*	0.5
	2,3,5-Trichlorophenol	933-78-8	sum 50*	0.5
	2,3,6-Trichlorophenol	933-75-5	sum 50**	0.5
	2,4,5-Trichlorophenol	95-95-4	sum 50*	0.5
	2,4,6-Trichlorophenol	88-06-2	sum 50*	0.5
	3,4,5-Trichlorophenol	609-19-8	sum 50*	0.5
	2,3,4,5-Tetrachlorophenol	4901-51-3 / 25167-83-3	sum 50*	0.5
	2,3,4,6-Tetrachlorophenol	58-90-2	sum 50*	0.5
	2,3,5,6-Tetrachlorophenol	935-95-5	sum 50*	0.5
	Tetrachlorophenol (TeCP), all salts and compounds		sum 20*	0.5 each
	Pentachlorophenol (PCP) and salts, esters and compounds	87-86-5	sum 20*	0.5

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Chlorotoluenes	Monochlorotoluenes, all isomers	Several	sum 200*	sum 1
	2-chlorotoluene	95-49-8	sum 200*	sum 1
	3-chlorotoluene	108-41-8	sum 200*	sum 1
	4-chlorotoluene	106-43-4	sum 200*	sum 1
	Dichlorotoluenes, all isomers	Several	sum 200*	sum 1
	2,3-Dichlorotoluene	32768-54-0	sum 200*	sum 1
	2,4-Dichlorotoluene	95-73-8	sum 200*	sum 1
	2,5-Dichlorotoluene	19398-61-9	sum 200*	sum 1
	2,6-Dichlorotoluene	118-69-4	sum 200*	sum 1
	3,4-Dichlorotoluene	95-75-0	sum 200*	sum 1
	3,5-Dichlorotoluene	25186-47-4	sum 200*	sum 1
	Trichlorotoluenes, all isomers	Several	sum 200*	sum 1
	2,3,4-Trichlorotoluene	7359-72-0	sum 200*	sum 1
	2,3,6-Trichlorotoluene	2077-46-5	sum 200*	sum 1
	2,4,5-Trichlorotoluene	6639-30-1	sum 200*	sum 1
	2,4,6-Trichlorotoluene	23749-65-7	sum 200*	sum 1
	3,4,5-Trichlorotoluene	21472-86-6	sum 200*	sum 1
	a,a,a-Trichlorotoluene	98-07-7	sum 200**	sum 1
	Tetrachlorotoluenes, all isomers	Several	sum 200*	sum 1
	2,3,4,5-Tetrachlorotoluene	76057-12-0	sum 200*	sum 1
	2,3,5,6-Tetrachlorotoluene	29733-70-8	sum 200*	sum 1
	2,3,4,6-Tetrachlorotoluene	875-40-1	sum 200*	sum 1
	a,a,a,4-Tetrachlorotoluene	5216-25-1	sum 200**	sum 1
	Pentachlorotoluene	877-11-2	200*	sum 1
Dimethyl fumerate (DMFu)	Dimethylfumarate	624-49-7	0.1**	0.1

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Disperse & Sensitizing Dyes	Disperse Yellow 3	2832-40-8	250*	50
	Disperse Blue 7	3179-90-6	250*	50
	Disperse Blue 26	3860-63-7	250*	50
	Disperse Blue 35	12222-75-2 56524-77-7	250*	50
	Disperse Blue 102	12222-97-8	250*	50
	Disperse Blue 106	12223-01-7	250*	50
	Disperse Blue 124	61951-51-7	250*	50
	Disperse Brown 1	23355-64-8	250*	50
	Disperse Orange 1	2581-69-3	250*	50
	Disperse Orange 3	730-40-5	250*	50
	Disperse Orange 37/59/76	12223-33-5 13301-61-6 51811-42-8	250 250* 250	50 50 50
	Disperse Orange 149	85136-74-9	250	50
	Disperse Red 1	2872-52-8	250*	50
	Disperse Red 11	2872-48-2	250*	50
	Disperse Red 17	3179-89-3	250*	50
	Disperse Yellow 1	119-15-3	250*	50
	Disperse Yellow 9	6373-73-5	250*	50
	Disperse Yellow 39	12236-29-2	250*	50
	Disperse Yellow 49	54824-37-2	250*	50
	Disperse Yellow 23	6250-23-3	250	50
	Navy Blue: A mixture of: disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato) chromate(1-); trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)	Component 1: 118685-33-9 Component 2: Not allocated	250*	20

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Dyes with Carcinogenic or Similar Concerns	Acid Red 26	3761-53-3	250*	50
	Basic Red 9	569-61-9	250*	50
	Basic Violet 14	632-99-5	250*	50
	Direct Black 38	1937-37-7	250*	50
	Direct Blue 6	2602-46-2	250*	50
	Direct Red 28	573-58-0	250*	50
	Disperse Blue 1	2475-45-8	250*	50
	Disperse Blue 3	2475-46-9	250*	50
	Disperse Orange 11	82-28-0	250*	50
	Malachit green	10309-95-2	250*	50
	Malachit green chloride	569-64-2	250*	50
	Malachit green	2437-29-8	250*	50
	Basic Blue 26	2580-56-5	250*	50
	Acid Violet 49	1694-09-3	250**	50
	Basic Violet 3	548-62-9	250**	50

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Flame Retardants	2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0	250*	10
	Bis(2,3-dibromopropyl)phosphate	5412-25-9	250*	10
	Hexabromocyclododecan	3194-55-6	250*	10
	Tetrabromobisphenol A	79-94-7	250*	10
	Tris(chloroethyl)phosphate (TCEP)	115-96-8	250*	5
	Tris-[2-chloro-1-(chloromethyl)ethyl]phosphate (TDCP)	13674-87-8	250*	10
	Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	250*	10
	Polybrominated biphenyls (PBBs)	59536-65-1	250*	10
	Pentabromodiphenyl ether (PentaBDE)	various inc. 32534-81-9	250*	10
	Octabromodiphenyl ether (OctaBDE)	various inc. 32536-52-0	250*	10
	Decabromodiphenyl ether (DecaBDE)	1163-19-5	250*	10
	Triethylenephosphoramide (TEPA)	545-55-1	250*	10
	Polybromodiphenyl ethers (PBDE's) - all congeners	Several	250*	10
	HeptaBDE	various inc. 68928-80-3	250**	
	HexaBDE	various inc. 36483-60-0	250**	
	NonaBDE	various inc.63936-56-1	250**	
	TetraBDE	various inc. 40088-47-9	250**	
	TriBDE's	various	250**	
	Boric acid	10043-35-3 11113-50-1	250**	50
	Decabromobiphenyl (DecaBB)	13645-09-6	250**	10
	Diboron trioxide	1303-86-2	250**	50
	Dibromobiphenyls (DiBB)	various	250**	10
	Tetrabromobisphenol A bis(dibromopropyl ether)	21850-44-2	250**	10
	disodium octaborate anhydrous	12008-41-2	250**	50
	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4	250**	50
	Monobromobiphenyls (MonoBB)	various	250**	10
	Monobromobiphenyl ethers (MonoBDE's)	various	250**	10
	Nonabromobiphenyls (NonaBB)	various	250**	10
	Octabromobiphenyls (OctaBB)	various	250**	10
	Tetraboron disodium heptaoxide, hydrate	12267-73-1	250**	50
	Tris (1-chloro-2-propyl) phosphate (TCPP)	13674-84-5	250**	10

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Formaldehyde	Formaldehyde	50-00-0	200	20 (baby)
	Formaldehyde	50-00-0	5000	75 (skin contact)
	Formaldehyde	50-00-0	5000	300 (no skin contact)
Glycols	Bis(2-methoxyethyl)-ether	111-96-6	50*	10
	2-Ethoxyethanol	110-80-5	50*	10
	2-Ethoxyethyl acetate	111-15-9	50*	10
	Ethylene glycol dimethyl ether	110-71-4	50*	10
	2-Methoxyethanol	109-86-4	50*	10
	2-Methoxyethylacetate	110-49-6	50*	10
	2-Methoxypropylacetate	70657-70-4	50*	10
	Triethylene glycol dimethyl ether	112-49-2	50*	10

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Metals	Antimony	7440-36-0	50**	30
	Arsenic	7440-38-2	50*	extractable 0.2
	Cadmium	7440-43-9	dyes 20* pigments 50*	extractable 0.1 total 100
	Chromium, total	7440-47-3	100**	1
	Chromium, VI	-	10*	0.5
	Chromium, VI (Leather)	-	10*	3
	Cobalt	7440-48-4	500**	extractable 1
	Copper	7440-50-8	250**	extractable 25
	Lead	7439-92-1	100*	extractable 0.2 total 500
	Manganese	7439-96-5	1000	30
	Mercury	7439-97-6	dyes 4* pigments 25*	extractable 0.02 total 100
	Nickel	7440-02-0	200**	extractable 1 <0.35µg/cm²/week
	Zinc	7440-66-6	1500	extractable 30
	Tin	7440-31-5	250**	50
	Barium	7440-39-3	100**	1000
	Selenium	7782-49-2	dyes 20** pigments 100**	500
	Silver	7440-22-4	100**	100

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Organotin Compounds	Monobutyltin compounds (MBT)	Several	5*	1
	Dibutyltin compounds (DBT)	Several	20*	1
	Dioctyltin compounds (DOT)	Several	5*	1
	Tripropyltin compounds (TPT)	Several	5**	1
	Tributyltin compounds (TBT)	Several	5*	1
	Triphenyltin compounds (TPhT)	Several	5*	1
	Trioctyltin compounds (TOT)	Several	5*	1
	Tricyclohexyltin compounds (TCyHT)	Several	1**	1
	Monomethyltin compounds (MMT)	Several	5*	1
	Monooctyltin compounds (MOT)	Several	5*	1
	Dimethyltin compounds (DMT)	Several	5*	1
	Diphenyltin compounds (DPhT)	Several	5*	1
	Trimethyltin compounds (TMT)	Several	5*	1
	Monophenylytin compounds (MPhT)	Several	5*	1
	Dipropyltin compounds (DPT)	Several	5**	1
	Tetraethyltin (TeET)	597-64-8	1**	1
	Tetrabutyltin (TeBT)	1461-25-2	1**	1
	Tetraoctyltin (TeOT)	3590-84-9	1**	1
	Dibutyltin dichloride (DBTC)	683-18-1	5**	1
Other/Miscellaneous Chemicals	Perboric acid, sodium salt	Several	1000**	50
	Borate, zinc salt	12767-90-7	1000**	50
	Bisphenol A (BPA)	80-05-7	100**	0.1
	Thiourea	62-56-6	1000**	5 (BSSL)
	Quinoline	91-22-5	1000**	50
	Silica (particles of respirable size)	14464-46-1	no use of sandblasting**	
	AEEA (2-[2-aminoethylamino]ethanol)	111-41-1	100**	10 (BSSL)
	Phenol	108-95-2	1,000	polymerics 5 mg/L liquids 10

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Per and poly fluorinated chemicals	Perfluorooctane sulfonic acid / Perfluorooctane sulfonate and related substances (PFOS)	1763-23-1	25 ppb*	1 ug/m2
	Perfluorooctanoic acid (PFOA)	335-67-1	25 ppb*	1 ug/m2
	Perfluorooctanoic acid and its salts (PFOA)	various	25 ppb*	1000 ppb
	Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	1 ppm	1 ug/m2
	Perfluorohexane sulphonates and its salts (PFHxS)	various inc. 3871-99-6	1 ppm	1 ug/m2
	Perfluorobutanoic acid	375-22-4	1 ppm	1 ug/m2
	Perfluorobutane sulphonates and its salts	various inc. 29420-49-3	1 ppm	1 ug/m2
Phthalates	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	sum 250*	sum 1000
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	sum 250*	sum 1000
	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	sum 250	sum 1000
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	sum 250	sum 1000
	Bis-(2-methoxyethyl) phthalate (DMEP)	117-82-8	sum 250*	sum 1000
	Butylbenzyl phthalate (BBP)	85-68-7	sum 250*	sum 1000
	Dimethyl phthalate (DMP)	131-11-3	sum 250	sum 1000
	Diethyl phthalate (DEP)	84-66-2	sum 250*	sum 1000
	Dibutyl phthalate (DBP)	84-74-2	sum 250*	sum 1000
	Dinonyl phthalate (DNP)	84-76-4	sum 250*	sum 1000
	Diethylhexyl phthalate (DEHP)	117-81-7	sum 250*	sum 1000
	Diisobutyl phthalate (DIBP)	84-69-5	sum 250*	sum 1000
	Diisopentyl phthalate (DIPP)	605-50-5	sum 250**	sum 1000
	Diisohexyl phthalate (DIHP)	71850-09-4	sum 250	sum 1000
	Diisooctyl phthalate (DIOP)	27554-26-3	sum 250*	sum 1000
	Diisononyl phthalate (DINP)	28553-12-0	sum 250*	sum 1000
		68515-48-0	sum 250	sum 1000
	Diisodecyl phthalate (DIDP)	26761-40-0	sum 250*	sum 1000
		68515-49-1	sum 250	sum 1000
	Di-n-propyl phthalate (DPRP)	131-16-8	sum 250*	sum 1000
	Di-n-pentyl phthalate (DnPP)	131-18-0	sum 250**	sum 1000
	Di-n-hexyl phthalate (DnHP)	84-75-3	sum 250*	sum 1000
	Di-n-octyl phthalate (DnOP)	117-84-0	sum 250*	sum 1000
	Di-cyclohexyl phthalate (DCHP)	84-61-7	sum 250*	sum 1000
	n-Pentyl-isopentyl phthalate	776297-69-9	sum 250	sum 1000
	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC 201-559-5)	68515-51-5 68648-93-1	sum 250	sum 1000

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	50-32-8	20*	1
	Benzo(e)pyrene	192-97-2	sum 200*	1
	Benzo(a)anthracene	56-55-3	sum 200*	1
	Chrysene	218-01-9	sum 200*	1
	Benzo(b)fluoroanthene	205-99-2	sum 200*	1
	Benzo(j)fluoroanthene	205-82-3	sum 200*	1
	Benzo(k)fluoroanthene	207-08-9	sum 200*	1
	Dibenzo(a,h)anthracene	53-70-3	sum 200*	1
	Acenaphthene	83-32-9	sum 200*	sum 10
	Acenaphthylene	208-96-8	sum 200*	sum 10
	Anthracene	120-12-7	sum 200*	sum 10
	Benzo(ghi)perylene	191-24-2	sum 200*	sum 10
	Fluoranthene	206-44-0	sum 200*	sum 10
	Fluorene	86-73-7	sum 200*	sum 10
	Indeno(1,2,3-cd)pyrene	193-39-5	sum 200*	sum 10
	Naphthalene	91-20-3	sum 200*	sum 10
	Phenanthrene	85-01-8	sum 200*	sum 10
	Pyrene	129-00-0	sum 200*	sum 10
Solvents/Residuals	N-Methyl-2-pyrrolidone (NMP)	872-50-4	5000**	1000
	Dimethylacetamide (DMAC)	127-19-5	5000**	1000
	Dimethylformamide (DMFa)	68-12-2	5000**	500

Chemical Group	Chemical Substance	CAS Number	MRSL Limit mg/kg unless otherwise stated * ZDHC MRSL version 1.1 ** ZDHC MRSL version 2.0	PRSL Limit mg/kg unless otherwise stated
UV Absorbers	UV 328	25973-55-1	1000**	1000
	UV 350	36437-37-3	1000**	1000
	UV 320	3846-71-7	1000**	1000
	UV 327	3864-99-1	1000**	1000
Volatile Organic Compounds (VOC's)	Xylene, all isomers	1330-20-7	500*	20
	m-Cresol	108-39-4	500*	20
	o-Cresol	95-48-7	500*	20
	p-Cresol	106-44-5	500*	20
	Benzene	71-43-2	50*	5
	Toluene	108-88-3	500	1000

Material Risk Matrix

The below matrix shows 23 chemical substances that Primark has prioritised to eliminate from its supply chain (11 of these are from the Detox Commitment). The colour coding illustrates the likelihood of finding these chemical substances within the material types used for Primark production. Suppliers and facilities should use this matrix as a reference guide when carrying out due diligence tests on materials (please also reference Primark's Chemical Testing Manual, which can be found on the Datalink Supplier Testing Portal.

	Extremely likely to be found
	Moderately likely to be found
	Unlikely to be found

Chemical Substance	Natural / cellulosic textiles	Synthetic textiles	Leather & suede	Soft plastics (inc plastisol prints & synthetic leather)	Hard plastics	Surface coatings	Rubber	Metal	Paper & board	Wooden items	Ceramics	Glass	Oils & waxes (inc diffusers)	Glues & adhesives	Electronics	Foams (inc EVA)
Alkyphenol & nonylphenol																
Alkyphenol & nonylphenol ethoxylates																
Anti-microbials & biocides																
Azo dyes forming restricted amines																
Chlorinated solvents																
Chlorobenzenes																
Chlorophenols																
Chlorotoluenes																
Dimethylfumarate																
Dyes - disperse, sensitizing																
Dyes with carcinogenic or similar concerns																
Flame retardants																
Formaldehyde																
Glycols																
Metals																
Organotin compounds																
Other / miscellaneous chemicals																
Per and poly fluorinated chemicals																
Phthalates																
Polycyclic aromatic hydrocarbons																
Solvents / residuals																
UV absorbers																
Volatile organic compounds (VOC's)																

Table of Change

RSL Version	Updates	Updated By	Authorised By	Date
2018	Key terminology and document formatting changes made	Charlotte Pumford	Charles Dickinson	February 2018
2018	Cosmetics temporarily removed from RSL update for review	Charlotte Pumford	Emma Hamilton-Foster	April 2018
2020 V5.0	Primark Chemical Policy replaced by Environmental Sustainability Commitment	Rebecca Law	Charles Dickinson	March 2020
	MRSL limits aligned to ZDHC MRSL v2.0			
	Introduction of Chemical and Pollution Management Guidance			
	Test methods removed- please refer to Primark's Chemical Testing Manual			
	CIL guidelines removed. Now available in the Chemical and Pollution Management Guidance			
2022 V5.1	Relevant international standards referenced	Peter Walters	Nick Farrar	December 2022
2023 V5.2	Minor grammar corrections	Peter Walters	Nick Farrar	January 2023