



Restricted Substances List (RSL)

The Restricted Substances List of Camper (RSL) addresses hazardous substances potentially used and discharged into the environment during the manufacturing and related processes of footwear production, not just those substances that could be present in the finished product.

Camper's RSL is issued annually to all raw material suppliers and factories involved in its production. In addition, any new materials added to the collection are also tested before they are included in our preferred list of materials.

Parameter	CAS NUMBER	Test method	Detection limit	Chrome tanned Leather Material	Non-chrome tanned leather Material
pH of aqueous extract					
pH	-	Leather: UNE EN ISO 4045:2018 Textile: UNE EN ISO 3071:2020	-	-	-
Chromium (VI) after ageing					
Chromium (VI) (2)	18540-29-9	ISO 17075-1:2017 /ISO 17075-2:2017	3mg/kg	3mg/kg	-
Extractable Heavy Metals					
Arsenic (As)	7440-38-2	Leather: UNE-EN ISO 17072-1:2017 Textile, Polymeric Material: UNE-EN 16711-2:2016	-	-	-
Cadmium (Cd)	7440-43-9		-	-	-
Chromium (Cr)	7440-47-3		-	-	-
Lead (Pb)	7439-92-1		-	-	-
Copper (Cu)	7740-50-8		-	-	-
Nickel (Ni)	7440-02-0		-	-	-
Cobalt (Co)	7440-48-4		-	-	-
Mercury (Hg)	7439-97-6		-	-	-
Selenium (Se)	7782-49-2		-	-	-
Antimony (Sb)	7440-36-0		-	-	-
Barium (Ba)	7440-39-3	-	-	-	
Total Heavy Metals					
Cadmium (Cd)	7440-43-9	Metal: CPSC-CH-E1001-08.3 Non Metal: CPSC-CH-E1002-08.3 Leather: UNE-EN ISO 17072-2:2020	-	-	-
Lead (Pb)	7439-92-1		-	-	-
Mercury (Hg)	7439-97-6		-	-	-
Heavy Metals in paint and other surface coatings (3)					
Lead (Pb)	7439-92-1	CPSC-CH-E1003-09.1	-	-	-
Cadmium (Cd)	7440-43-9		-	-	-
Mercury (Hg)	7439-97-6		-	-	-
Nickel release					
Nickel (Ni)	7440-02-0	EN 1811:2011 + A1:2015 EN 12472:2005+A1:2009 (13)	-	-	-
Free and partially hydrolysable formaldehyde content					
Formaldehyde	50-00-0	Leather: ISO 17226-1:2019 Textile: UNE EN ISO 14184-1	leather: 20 ppm	F.W.: 20 ppm, ADULT: 75 ppm	F.W.: 20 ppm, ADULT: 75 ppm
			textile: 16 ppm		
Chlorophenols					
2,3,4,5-Tetrachlorophenol (TeCP)	4901-51-3	Leather: EN ISO 17070-2015 with alkaline digestion Textile: § 64 LFGB82.02-8 with alkaline digestion	0,05 ppm	0,5 ppm	0,5 ppm
2,3,4,6-Tetrachlorophenol (TeCP)	58-90-2		0,05 ppm	0,5 ppm	0,5 ppm
2,3,5,6-Tetrachlorophenol (TeCP)	935-95-5		0,05 ppm	0,5 ppm	0,5 ppm
Pentachlorophenol (PCP)	87-86-5		0,05 ppm	0,5 ppm	0,5 ppm

Parameter	Leather Colour	Textil (natural)	Textil (synthetic)	Textil Colour	Foam (material)	Foam (colour)	"Plastic; Rubber Material"	Plastic, Rubber Colour	Metal
pH of aqueous extract									
pH	3 - 7,5 (1)	-	-	-	-	-	-	-	-
	-	4-7,5	4-7,5	-	-	4-7,5	-	-	-
Chromium (VI) after ageing									
Chromium (VI) (2)	-	-	-	-	-	-	-	-	-
Extractable Heavy Metals									
Arsenic (As)	1 mg/kg	-	-	1 mg/kg	-	1 mg/kg	-	1 mg/kg	1 mg/kg
Cadmium (Cd)	0,1 mg/kg	-	-	0,1 mg/kg	-	0,1 mg/kg	-	0,1 mg/kg	0,1 mg/kg
Chromium (Cr)	60 ppm Only for non Chrome tanned leather	-	-	1 mg/kg	-	1 mg/kg	-	1 mg/kg	1 mg/kg
Lead (Pb)	1 mg/kg	-	-	1 mg/kg	-	1 mg/kg	-	1 mg/kg	1 mg/kg
Copper (Cu)	FW: 25 ppm Adult: 50 ppm	-	-	FW: 25 ppm Adult: 50 ppm	-	FW: 25 ppm Adult: 50 ppm	-	FW: 25 ppm Adult: 50 ppm	-
Nickel (Ni)	FW. 1 ppm Adult: 4 ppm	-	-	FW. 1 ppm Adult: 4 ppm	-	FW. 1 ppm Adult: 4 ppm	-	FW. 1 ppm Adult: 4 ppm	FW. 0,5 ppm Adult: 1 ppm
Cobalt (Co)	FW. 1 ppm Adult: 4 ppm	-	-	FW. 1 ppm Adult: 4 ppm	-	FW. 1 ppm Adult: 4 ppm	-	FW. 1 ppm Adult: 4 ppm	FW. 1 ppm Adult: 4 ppm
Mercury (Hg)	0,02 ppm	-	-	0,02 ppm	-	0,02 ppm	-	0,02 ppm	0,02 ppm
Selenium (Se)	460 mg/kg	-	-	460 mg/kg	-	460 mg/kg	-	460 mg/kg	460 mg/kg
Antimony (Sb)	30 ppm	-	-	30 ppm	-	30 ppm	-	30 ppm	30 ppm
Barium (Ba)	1000 ppm	-	-	1000 ppm	-	1000 ppm	-	1000 ppm	1000 ppm
Total Heavy Metals									
Cadmium (Cd)	FW.: 40 ppm ADULT: 75 ppm	-	-	FW.: 40 ppm ADULT: 75 ppm	-	FW.: 40 ppm ADULT: 75 ppm	-	FW.: 40 ppm ADULT: 75 ppm	FW.: 40 ppm ADULT: 75 ppm
Lead (Pb)	90 ppm	-	-	90 ppm	-	90 ppm	-	90 ppm	90 ppm
Mercury (Hg)	0,5 ppm	-	-	0,5 ppm	-	0,5 ppm	-	0,5 ppm	0,5 ppm
Heavy Metals in paint and other surface coatings (3)									
Lead (Pb)	90 ppm	-	-	90 ppm	-	90 ppm	-	90 ppm	90 ppm
Cadmium (Cd)	40 ppm	-	-	40 ppm	-	40 ppm	-	40 ppm	40 ppm
Mercury (Hg)	10 ppm	-	-	10 ppm	-	10 ppm	-	10 ppm	10 ppm
Nickel release									
Nickel (Ni)	-	-	-	-	-	-	-	-	0,5 mg/cm2/week
Free and partially hydrolysable formaldehyde content									
Formaldehyde	-	FW.: 16 ppm, ADULT: 75 ppm	FW.: 16 ppm, ADULT: 75 ppm	-	FW.: 16 ppm, ADULT: 75 ppm	-	-	-	-
Chlorophenols									
2,3,4,5-Tetrachlorophenol (TeCP)	-	0,5 ppm	0,5 ppm	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol (TeCP)	-	0,5 ppm	0,5 ppm	-	-	-	-	-	-
2,3,5,6-Tetrachlorophenol (TeCP)	-	0,5 ppm	0,5 ppm	-	-	-	-	-	-
Pentachlorophenol (PCP)	-	0,5 ppm	0,5 ppm	-	-	-	-	-	-

Parameter	CAS NUMBER	Test method	Detection limit	Chrome tanned Leather Material	Non-chrome tanned leather Material	Leather Colour	Textil (natural)
Azo dyestuffv							
24 arilamines listed (4)	24 arilamines listed (4)	Textile: UNE-EN ISO 14362-1:2017 Leather: UNE-EN ISO 17234-1:2015 p-Aminoazobenzene: Textile: UNE-EN ISO 14362-3:2017 Leather: UNE-EN ISO 17234-2:2011	5mg/kg	-	-	30 ppm each	-
Navy Blue Colorant							
C39H23ClCrN7O12S*2Na	118685-33-9	DIN 54231:2005	-	-	-	1000 ppm	-
C46H30CrN10O20S2*3Na	Not allocated			-	-	1000 ppm	-
Allergenic Dyestuff							
44 listed dyestuff (5)	44 listed dyestuff (5)	DIN 54231:2005	15 ppm	-	-	-	-
Perfluorinated and Polyfluorinated Chemicals (PFC's) (6)							
Perflorooctane Sulfonate (PFOS)	2795-39-3	CEN/TS 15968:2014	-	1 _g/m2	1 _g/m2	-	1 _g/m2
Perflorooctanoic Acid (PFOA) and its salts and esters	3825-26-1		-	0,025 mg/kg	0,025 mg/kg	-	0,025 mg/kg
Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1		-	-	-	-	-
	21049-39-8		-	1000 ppm	1000 ppm	-	1000 ppm
	4149-60-4		-	-	-	-	-
PFOA related compounds	-	-	-	1mg/Kg	1mg/Kg	-	1mg/Kg
Polycyclic Aromatic Hydrocarbons (PAHs)							
See (7)	See (7)	AfPS GS2014:01 PAK with GC-MS analysis	0,2 ppm	-	-	-	-
Dimethyl fumarate content							
Dimethyl fumarate (DMFu)	624-49-7	Solvent extraction with GC-MS' ISO/TS 16186-2012	0,1 ppm	0,1 ppm	0,1 ppm	-	0,1 ppm
N-Nitrosamines (8)							
N-Nitrosamines (8)		GB/T 24153	0,5 ppm	-	-	-	-
Chorinated Paraffins (9)							
Short Chain Chlorinated Paraffins (SCCP) (C10-C13)	85535-84-8	ISO 18219:2015	100 ppm	100 ppm	100 ppm	-	-
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs), including all isomers							
Nonylphenol (NP), mixed isomers	104-40-5	AP Textil / Polymer: EN ISO 18254-1:2016 Leather: EN ISO 18218-1:2015 APEO	-	Total Sum 1000 ppm	Total Sum 1000 ppm	-	Total Sum 100 ppm
	11066-49-2		-			-	
	25154-52-3		-			-	
	84852-15-3		-			-	
Octylphenol (OP), mixed isomers	140-66-9		-	Total Sum 1000 ppm	Total Sum 1000 ppm	-	Total Sum 1000 ppm
	1806-26-4		-			-	
	27193-28-8		-			-	

Parameter	CAS NUMBER	Test method	Detection limit	Chrome tanned Leather Material	Non-chrome tanned leather Material	Leather Colour	Textil (natural)
Octylphenol ethoxylates (OPEOs)	9002-93-1	Non-leather: ISO 18254-1 with determination of APEO Leather: ISO 18218-1 CPSC-CH-C1001-09 ISO 16179:2012	-	Total Sum 1000 ppm	Total Sum 1000 ppm	-	Total Sum 1000 ppm
	9036-19-5		-			-	
	68987-90-6		-			-	
Nonylphenol ethoxylates (NPEOs)	9016-45-9		-	Total Sum 1000 ppm	Total Sum 1000 ppm	-	Total Sum 100 ppm
	26027-38-3		-			-	
	37205-87-1		-			-	
	68412-54-4		-			-	
	127087-87-0	-	-	-	-	-	
Phthalates and other esters of orto-phthalic acid (10)							
Phthalates		CPSC-CH-C1001-09	-	-	-	Only in case of: Coating Print Pastes Plastisol or transfer a(10)	-
Organotin compounds							
Dibutyltin (DBT)	Various	ISO 16179:2012	-	1 ppm	1 ppm	-	1 ppm
Diocetyl tin (DOT)	Various		-	1 ppm	1 ppm	-	1 ppm
Monobutyltin (MBT)	Various		-	1 ppm	1 ppm	-	1 ppm
Tributyltin (TBT)	Various		-	0,5 ppm	0,5 ppm	-	0,5 ppm
Triphenyltin (TPhT)	Various		-	0,5 ppm	0,5 ppm	-	0,5 ppm
Tricyclohexyltin (TCyt)	Various		-	0,5 ppm	0,5 ppm	-	0,5 ppm
Triocetyl tin (TOT)	Various		-	0,5 ppm	0,5 ppm	-	0,5 ppm
Tripopyl tin (TPT)	Various		-	0,5 ppm	0,5 ppm	-	0,5 ppm
Trimethyltin (TMT)	Various		-	0,5 ppm	0,5 ppm	-	0,5 ppm
Chlorinated Benzenes and Toluenes (Halogen Carriers)							
see (11)	see (11)	DIN 54232:2010	-	see (11)	see (11)	-	-
Polibrominated & Polychlorinated Compounds (Flame Retardants)							
see (12)	see (12)	"ISO 17881-1:2016 ; ISO 17881-2:2016"	-	see (12)	see (12)	-	see (12)
Isocyanates							
(see 14)	(see 14)	EN 13130-8:2004	-	(see 14)	(see 14)	-	(see 14)
Quinoline							
Quinoline	91-22-5	In house method	-	-	-	-	-
Solvents							
Benzene	71-43-2	DMFa / DMAC / NMP: ISO/TS 16189:2013 Benzene: Headsapce GC-MS	-	-	-	-	5 mg/kg
Dimethylformamide (DMFa)	68-12-2		-	-	-	-	1000mg/Kg
N,N-dimethylacetamide (DMAC)	127-19-5_		-	-	-	-	1000mg/Kg
N-methyl-2-pyrrolidone (NMP)	872-50-4		-	-	-	-	1000mg/Kg

Parameter	Textil (synthetic)	Textil Colour	Foam (material)	Foam (colour)	Plastic; Rubber Material	Plastic, Rubber Colour	Metal
Azo dyestuff							
24 arilamines listed (4)	-	20 ppm each	-	-	-	-	-
Navy Blue Colorant							
C39H23ClCrN7O12S*2Na	-	1000 ppm	-	-	-	-	-
C46H30CrN10O20S2*3Na	-	1000 ppm	-	-	-	-	-
Allergenic Dyestuff							
44 listed dyestuff (5)	-	15 ppm each	-	-	-	-	-
Perfluorinated and Polyfluorinated Chemicals (PFC's) (6)							
Perfluorooctane Sulfonate (PFOS)	1 µg/m2	-	-	-	0,10%	0,10%	-
Perfluorooctanoic Acid (PFOA) and its salts and esters	0,025 mg/kg	-	-	-	-	-	-
Perfluorononan-1-oic-acid and its sodium and ammonium salts	1000 ppm	-	-	-	-	-	-
PFOA related compounds	1mg/Kg	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons (PAHs)							
See (7)	See (7)	-	See (7)	-	See (7)	-	-
Dimethyl fumarate content							
Dimethyl fumarate (DMFu)	0,1 ppm	-	0,1 ppm	-	0,1 ppm	-	-
N-Nitrosamines (8)							
N-Nitrosamines (8)	-	-	-	-	0,5 ppm	-	-
Chlorinated Paraffins (9)							
Short Chain Chlorinated Paraffins (SCCP) (C10-C13)	-	-	100 ppm	-	100 ppm	-	-
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs), including all isomers							
Nonylphenol (NP), mixed isomers	Total Sum 100 ppm	-	-	-	Total Sum 100 ppm	-	-
		-	-	-		-	-
		-	-	-		-	-
		-	-	-		-	-
Octylphenol (OP), mixed isomers	Total Sum 1000 ppm	-	-	-	Total Sum 1000 ppm	-	-
		-	-	-		-	-
		-	-	-		-	-
		-	-	-		-	-
Octylphenol ethoxylates (OPEOs)	Total Sum 1000 ppm	-	-	-	Total Sum 1000 ppm	-	-
		-	-	-		-	-
		-	-	-		-	-
		-	-	-		-	-

Parameter	Textil (synthetic)	Textil Colour	Foam (material)	Foam (colour)	Plastic; Rubber Material	Plastic, Rubber Colour	Metal
Nonylphenol ethoxylates (NPEOs)	Total Sum 100 ppm	-	-	-	Total Sum 100 ppm	-	-
		-	-	-		-	-
		-	-	-		-	-
		-	-	-		-	-
		-	-	-		-	-
Phthalates and other esters of orto-phthalic acid (10)							
Phthalates	-	Only in case of: Coating Print Pastes Plastisol or transfer a(10)	-	a(10)	-	a(10)	-
Organotin compounds							
Dibutyltin (DBT)	1 ppm	-	1 ppm	-	1 ppm	-	-
Dioctyltin (DOT)	1 ppm	-	1 ppm	-	1 ppm	-	-
Monobutyltin (MBT)	1 ppm	-	1 ppm	-	1 ppm	-	-
Tributyltin (TBT)	0,5 ppm	-	0,5 ppm	-	0,5 ppm	-	-
Triphenyltin (TPhT)	0,5 ppm	-	0,5 ppm	-	0,5 ppm	-	-
Tricyclohexyltin (TCyt)	0,5 ppm	-	0,5 ppm	-	0,5 ppm	-	-
Trioctyltin (TOT)	0,5 ppm	-	0,5 ppm	-	0,5 ppm	-	-
Tripropyltin (TPT)	0,5 ppm	-	0,5 ppm	-	0,5 ppm	-	-
Trimethyltin (TMT)	0,5 ppm	-	0,5 ppm	-	0,5 ppm	-	-
Chlorinated Benzenes and Toluenes (Halogen Carriers)							
see (11)	-	see (11)	-	see (11)	-	-	-
Polibrominated & Polychlorinated Compounds (Flame Retardants)							
see (12)	see (12)	-			see (12)	-	-
Isocyanates							
(see 14)	(see 14)	-	(see 14)	-	(see 14)	-	-
Quinoline							
Quinoline	50 mg/Kg	50 mg/Kg	-	-	-	-	-
Solvents							
Benzene	5 mg/kg	5 mg/kg	-	-	5 mg/kg	-	-
Dimethylformamide (DMFa)	1000mg/Kg	1000mg/Kg	-	-	1000mg/Kg	-	-
N,N-dimethylacetamide (DMAC)	1000mg/Kg	1000mg/Kg	-	-	1000mg/Kg	-	-
N-methyl-2-pyrrolidone (NMP)	1000mg/Kg	1000mg/Kg	-	-	1000mg/Kg	-	-