

Yazaki group self-control substance List (1st Edition)

Please correspond the delivered items to the Yazaki group (parts, raw materials, indirect materials, packing materials) so as to fulfill the contents of the latest GADSL and the latest Yazaki group self-controlled substances list (this list).

"GADSL (Global Automotive Declarable Substance List)

A list of substances that are already regulated or are scheduled to be regulated under regulations of chemical substances around the world and that possible to be contained in automatic products.

URL: <https://www.gadsl.org/> reference

"[Classification of substances]

· Prohibited (P: Prohibited Substances) Substances forbidden to be used in all applications or specific applications or substances which should not be used beyond the threshold.

· Declarable Substances (D) Substances that need to be declared when using beyond the threshold value.

· Declarable Substances/Prohibited Substances (D / P)

Depending on the intended use, substances classified as either Declarable Substances or Prohibited Substances. "

No	Substance name	CAS-No.	Target item	Target use	Classification: Prohibit(P) or Declarable(D)	Threshold	Target region (Destination)	Application date	Relevant Laws
1	Lead and its compounds, all members	7439-92-1, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses except bellows	P	0.1%	All regions	Immediate	- EU ELV - EU RoHS
				Materials and components specified in EU ELV ANNEX II	Refer Appendix.				
2	Mercury and its compounds, all members	7439-97-6, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses except bellows	P	0.1%	All regions	Immediate	- EU ELV - EU RoHS
				Materials and components specified in EU ELV ANNEX II	Refer Appendix.				
3	Cadmium and its compounds, all	7440-43-9, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses except bellows	P	0.01%	All regions	Immediate	- EU ELV - EU RoHS
				Materials and components specified in EU ELV ANNEX II	Refer Appendix.				
4	Chromium(VI)-salts, all members	18540-29-9, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses except bellows	P	0.1%	All regions	Immediate	- EU ELV - EU RoHS
				Materials and components specified in EU ELV ANNEX II	Refer Appendix.				
5	Deca-BDE: Decabromodiphenyl ether	1163-19-5	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1%	All regions	Immediate	- EU RoHS - US EPA Phaseout-initiative - D.C. Human and Environmental Health Protection Act of 2010
6	HBCD: Cyclododecane, hexabromo-	25637-99-4, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV) - Japan Chemical Substance Control Law
7	DEHP: Di(2-ethylhexyl)phthalate	117-81-7	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV) - EU RoHS
8	DBP: Dibutylphthalate	84-74-2	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV) - EU RoHS
9	BBP: Benzyl butyl phthalate	85-68-7	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV) - EU RoHS
10	DIBP: Diisobutylphthalate	84-69-5	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV) - EU RoHS
11	Arsenic trioxide	1327-53-3	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.01% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
12	Arsenic pentoxide	1303-28-2	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.01% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
13	Lead chromate	7758-97-6	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
14	Lead sulfochromate yellow	1344-37-2	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
15	Lead chromate molybdate sulfate red	12656-85-8	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
16	Tris(2-chloroethyl) phosphate	115-96-8	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.01% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
17	Trichloroethylene	79-01-6	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
18	Chromium trioxide	1333-82-0	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
19	Acids generated from chromium trioxide and their oligomers	13530-68-2 7738-94-5	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
20	Sodium dichromate	10588-01-9, 7789-12-0	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
21	Potassium dichromate	7778-50-9	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)

22	Ammonium dichromate	7789-09-5	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
23	Potassium chromate	7789-00-6	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
24	Sodium chromate	7775-11-3	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
25	Arsenic acid	7778-39-4	product and part/material/indirect material to compose the product (or attached on the product)	All uses	P	0.01% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	Immediate	- EU REACH (Candidate List, ANNEX XIV)
26	Dichromium tris(chromate)	24613-89-6	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/1/22 (Sunset date in REACH ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
27	Strontium chromate	7789-06-2	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/1/22 (Sunset date in REACH ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
28	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/1/22 (Sunset date in REACH ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
29	Pentazinc chromate octahydroxide	49663-84-5	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/1/22 (Sunset date in REACH ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
30	Diisopentylphthalate	605-50-5	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/7/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
31	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7 rich	71888-89-6	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/7/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
32	1,2-Benzenedicarboxylic acid di-C7-11-branched and linear alkyl-esters	68515-42-4	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/7/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
33	Bis(2-methoxyethyl) phthalate	117-82-8	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/7/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
34	Dipentylphthalate	131-18-0	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/7/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
35	4-(1,1,3,3-Tetramethylbutyl) phenol, ethoxylated	68412-54-4, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2020/1/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
36	4-Nonylphenol, branched and linear, ethoxylated	104-35-8, etc. (According to GADSL)	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2020/1/4 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
37	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/07/04 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)
38	Pitch, coal tar, high temp.	65996-93-2	product and part/material/indirect material to compose the product (or attached on the product)	All uses	D/P	0.1% (Regardless of the threshold, the substance shall be prohibited if it is used intentionally.)	All regions	2019/10/04 (1 year prior to Sunset date of ANNEX XIV)	- EU REACH (Candidate List, ANNEX XIV)

Appendix: Yazaki group self-control substance List (1st Edition) EU ELV ANNEX II

Following list shows control standard as Yazaki group regarding the materials and components specified by ELV ANNEX II.

No	Substance name	Materials and components	Classification: Prohibit(P) or Declarable(D)	Threshold	Target region (Destination)	Application date			
1	Lead and its compounds, all members	1(a)	Steel for machining purposes and batch hot dip galvanised steel components containing up to 0,35 % lead by weight	D	0.1%	All regions	Immediate		
		1(b)	Continuously galvanised steel sheet containing up to 0,35 % lead by weight	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2016 and spare parts for these vehicles is exempted.)		
		2(a)	Aluminium for machining purposes with a lead content up to 2 % by weight	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2005 is exempted.)		
		2(b)	Aluminium with a lead content up to 1,5 % by weight	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2008 is exempted.)		
		2(c)(i)	Aluminium alloys for machining purposes with a lead content up to 0,4 % by weight	D	0.1%	All regions	Immediate		
		2(c)(ii)	Aluminium alloys not included in entry 2(c)(i) with a lead content up to 0.4 % by weight	D	0.1%	All regions	Immediate		
		3	Copper alloy containing up to 4 % lead by weight	D	0.1%	All regions	Immediate		
		4(a)	Bearing shells and bushes	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2008 is exempted.)		
		4(b)	Bearing shells and bushes in engines, transmissions and air conditioning compressors	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2011 is exempted.)		
		5(a)	Lead in batteries in high-voltage systems that are used only for propulsion in M1 and N1 vehicles	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2019 and spare parts for these vehicles is exempted.)		
		5(b)	Lead in batteries for battery applications not included in entry 5(a)	D	0.1%	All regions	Immediate		
		6	Vibration dampers	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2016 and spare parts for these vehicles is exempted.)		
		7(a)	Vulcanising agents and stabilisers for elastomers in brake hoses, fuel hoses, air ventilation hoses, elastomer/metal parts in the chassis applications, and engine mountings	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2005 is exempted.)		
		7(b)	Vulcanising agents and stabilisers for elastomers in brake hoses, fuel hoses, air ventilation hoses, elastomer/metal parts in the chassis applications, and engine mountings containing up to 0,5 % lead by weight	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2006 is exempted.)		
		7(c)	Bonding agents for elastomers in powertrain applications containing up to 0,5 % lead by weight	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2009 is exempted.)		
		8(a)	Lead in solders to attach electrical and electronic components to electronic circuit boards and lead in finishes on terminations of components other than electrolyte aluminium capacitors, on component pins and on electronic circuit boards	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(b)	Lead in solders in electrical applications other than soldering on electronic circuit boards or on glass	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(c)	Lead in finishes on terminals of electrolyte aluminium capacitors	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(d)	Lead used in soldering on glass in mass airflow sensors	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(e)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)	D	0.1%	All regions	Immediate		
		8(f)(a)	Lead in compliant pin connector systems	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(f)(b)	Lead in compliant pin connector systems other than the mating area of vehicle harness connectors	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(g)	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(h)	Lead in solder to attach heat spreaders to the heat sink in power semiconductor assemblies with a chip size of at least 1 cm ² of projection area and a nominal current density of at least 1 A/mm ² of silicon chip area	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(i)	Lead in solders in electrical glazing applications on glass except for soldering in laminated glazing	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		8(j)	Lead in solders for soldering of laminated glazing	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2011 and spare parts for these vehicles is exempted.)		
		9	Valve seats	D/P	0.1%	All regions	Immediate (Valve seats for engines, developed before 1 July 2003 and to be used as spare parts is exempted.)		
		1	Lead and its compounds, all members	10(a)	Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: — glass in bulbs and glaze of spark plugs, — dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d).	D	0.1%	All regions	Immediate

		10(b)	Lead in PZT-based dielectric ceramic materials of capacitors being part of integrated circuits or discrete semiconductors	D	0.1%	All regions	Immediate
		10(c)	Lead in dielectric ceramic materials of capacitors with a rated voltage of less than 125 V AC or 250 V DC	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2016 and spare parts for these vehicles is exempted.)
		10(d)	Lead in the dielectric ceramic materials of capacitors compensating the temperature-related deviations of sensors in ultrasonic sonar systems	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2017 and spare parts for these vehicles is exempted.)
		11	Pyrotechnic initiators	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 July 2006 and spare parts for these vehicles is exempted.)
		12	Lead-containing thermoelectric materials in automotive electrical applications to reduce CO2 emissions by recuperation of exhaust heat	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 January 2019 and spare parts for these vehicles is exempted.)
2	Mercury and its compounds, all members	15(a)	Discharge lamps for headlight application	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 July 2012 and spare parts for these vehicles is exempted.)
		15(b)	Fluorescent tubes used in instrument panel displays	D/P	0.1%	All regions	Immediate (Vehicles type-approved before 1 July 2012 and spare parts for these vehicles is exempted.)
3	Cadmium and its compounds, all members	16	Batteries for electrical vehicles	D/P	0.01%	All regions	Immediate (Used as spare parts for vehicles put on the market before 31 December 2008 is exempted.)
4	Chromium(VI)-salts, all members	13(a)	Corrosion preventive coatings	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2007 is exempted.)
		13(b)	Corrosion preventive coatings related to bolt and nut assemblies for chassis applications	D/P	0.1%	All regions	Immediate (Used as spare parts for vehicles put on the market before 1 July 2008 is exempted.)
		14	As an anti-corrosion agent of the carbon steel cooling system in absorption refrigerators in motor caravans up to 0,75 weight -% in the cooling solution except where the use of other cooling technologies is practicable (i.e. available on the market for the application in motor caravans) and does not lead to negative environmental, health and/or consumer safety impacts	D	0.1%	All regions	Immediate

Yazaki group self-control substance List (QMDE-18-033) revision history

Revised date	Edition	Revised content	Reason for revision
10/19/2018	First edition	New enactment	—