

Gabor

List of restricted Substances in Shoes - Version 01/2025

Substance Group	Short Name	CAS No. 1	CAS No. 2	Limits	with Skin contact	without Skin contact	whole product	Leather / Fur (tested with hair)	Coated Leather	Leather fibre board	PVC	EVA, EVA foam	Rubber, Latex	PU, TPU as Polymer	TPE-TPR	Blown materials, Foam	Synth. Textile	Coated Textile	PU-coating DMF-a-"free"	Natural Textile	Textile with print	Wood, Cork	Adhesives, process chemicals (processed)	Metallic Hardware	paper, cardboard	Standards
AZO Dyes				each Amine	x	x		x	x	x							x	x	x	x	x				x	natural textile, cellulose, synth. textile, mixed fabric:
3,3'-Dichlorobenzidine		91-94-1		20 mg/kg				x	x																	DIN EN 14362-1:2017
3,3'-Dimethylbenzidine		119-93-7		20 mg/kg																						DIN EN 14362-3:2017
2,4-Diaminoanisole / 2,4-diaminoanisole sulphate		615-05-4	39156-41-7	20 mg/kg																						leather, coated leather, leather fibre board:
2,4-Toluylenediamine		95-80-7		20 mg/kg																						prEN ISO 17234-1:2023
2,4-Xylydine		95-68-1		20 mg/kg																						EN ISO 17234-2:2011
2,6-Xylydine		87-62-7		20 mg/kg																						
2-Amino-4-Nitrotoluene		99-55-8		20 mg/kg																						
2-Naphthylamine / 2-naphthylammonium acetate		91-59-8	553-00-4	20 mg/kg																						
3,3'-Dimethoxybenzidine		119-90-4		20 mg/kg																						
3,3'-Dimethyl-4,4'-Diaminodiphenylmethane		838-88-0		20 mg/kg																						
4,4'-Diaminodiphenylmethane		101-77-9		20 mg/kg																						
4,4'-Methylene-Bis-(2-Chloroaniline)		101-14-4		20 mg/kg																						
4,4'-Oxydianiline		101-80-4		20 mg/kg																						
4,4'-Thiodianiline		139-65-1		20 mg/kg																						
4-Aminoazobenzene		60-09-3		20 mg/kg																						
4-Aminodiphenyl		92-67-1		20 mg/kg																						
4-Chloro-O-Toluidine / 4-Chloro-o-toluidinium chloride		95-69-2	3165-93-3	20 mg/kg																						
Benzidine		92-87-5		20 mg/kg																						
o-Aminoazotoluene		97-56-3		20 mg/kg																						
o-Anisidine		90-04-0		20 mg/kg																						
o-Toluidine		95-53-4		20 mg/kg																						
p-Chloroaniline		106-47-8		20 mg/kg																						
p-Cresidine		120-71-8		20 mg/kg																						
2,4,5-Trimethylaniline / 2,4,5-trimethylanilin hydrochloride		137-17-7	21436-97-5	20 mg/kg																						
Biocide																										
Dimethylfumarate	DMFU	624-49-7		0.1 mg/kg	x	x		x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	EN ISO16186:2021; textile: EN 17130:2019
Triclosan		3380-34-5		50 mg/kg	x	x		x	x	x							x	x	x	x	x					according EN ISO 13365-1:2020; textile: EN 17134-1:2024
Preservatives																										EN ISO 13365-1:2020
2-(thiocyanomethylthio)-benzothiazol	TCMTB	21564-17-0		500 mg/kg	x	x		x	x	x																Additional manufacturer's declaration on the preservation method and the used preservative is required.
4-chloro-3-methylphenol	CMK	59-50-7		600 mg/kg	x	x		x	x	x																
2-phenylphenol	OPP	90-43-7		1000 mg/kg	x	x		x	x	x																
2-phenylphenol	OPP	90-43-7		100 mg/kg	x	x										x	x	x	x	x					x	textile, cellulose: EN 17134-1:2024
2-octylisothiazol-3(2H)-one	OIT	26530-20-1		250 mg/kg	x	x		x	x	x																
AP/APEO's				each isomer																						EN ISO 21084:2019
Nonylphenol	NP	104-40-5	84852-15-3	30 mg/kg	x	x				x	x	x	x	x	x			x	x		x					
Octylphenol	OP	140-66-9	1806-26-4	30 mg/kg	x	x			x		x	x	x	x	x			x	x		x					
Nonylphenol Ethoxylates	NPEO	68412-54-4		100 mg/kg	x	x		x	x	x							x	x	x	x	x		x		x	textile, cellulose, adhesives: EN ISO 18254-1:2016
Octylphenol Ethoxylates	OPEO	9002-93-1		100 mg/kg	x	x		x	x	x							x	x	x	x	x		x		x	leather: EN ISO 18218-1:2023

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Chlorinated Phenols				each Isomer	x	x		x	x	x		x				x	x	x	x	x	x	x			x	ISO 17070:2015 EN 17134-2:2023 According to Swiss government practice, a limit of 5 mg/kg is applied to the sum of PCP and TeCP.
Pentachlorophenol	PCP	87-86-5		1,0 mg/kg																						
2,3,4,5-Tetrachlorophenol	TeCP	4901-51-3		1,0 mg/kg																						
2,3,4,6-Tetrachlorophenol	TeCP	58-90-2		1,0 mg/kg																						
2,3,5,6-Tetrachlorophenol	TeCP	935-95-5		1,0 mg/kg																						
2,3,4-Trichlorophenol	TriCP	15950-66-0		2,0 mg/kg																						
2,3,5-Trichlorophenol	TriCP	933-78-8		2,0 mg/kg																						
2,3,6-Trichlorophenol	TriCP	933-75-5		2,0 mg/kg																						
2,4,5-Trichlorophenol	TriCP	95-95-4		2,0 mg/kg																						
2,4,6-Trichlorophenol	TriCP	88-06-2		2,0 mg/kg																						
3,4,5-Trichlorophenol	TriCP	609-19-8		2,0 mg/kg																						
2,4-Dichlorophenol, free	DiCP	120-83-2		2,0 mg/kg																						
2,3-Dichlorophenol, free	DiCP	576-24-9		2,0 mg/kg																						
2,5-Dichlorophenol, free	DiCP	583-78-8		2,0 mg/kg																						
2,6-Dichlorophenol, free	DiCP	87-65-0		2,0 mg/kg																						
3,4-Dichlorophenol, free	DiCP	95-77-2		2,0 mg/kg																						
3,5-Dichlorophenol, free	DiCP	591-35-5		2,0 mg/kg																						
4-Chlorophenol, free	MCP	106-48-9		2,0 mg/kg																						
2-Chlorophenol, free	MCP	95-57-8		2,0 mg/kg																						
3-Chlorophenol, free	MCP	108-43-0		2,0 mg/kg																						
Chlorinated benzenes and toluenes				Σ 10 mg/kg	x												x	x	x				g)			EN 17137:2024 g) The decision of the test laboratory is depending on the recipe to be tested
2-Chlorotoluene		95-49-8		1,0 mg/kg	x												x	x	x							
3-Chlorotoluene		108-41-8		1,0 mg/kg	x												x	x	x							
4-Chlorotoluene		106-43-4		1,0 mg/kg	x												x	x	x							
2,3-Dichlorotoluene		32768-54-0		1,0 mg/kg	x												x	x	x							
2,4-Dichlorotoluene		95-73-8		1,0 mg/kg	x												x	x	x							
2,5-Dichlorotoluene		19398-61-9		1,0 mg/kg	x												x	x	x							
2,6-Dichlorotoluene		118-69-4		1,0 mg/kg	x												x	x	x							
3,4-Dichlorotoluene		95-75-0		1,0 mg/kg	x												x	x	x							
2,3,6-Trichlorotoluene		2077-46-5		1,0 mg/kg	x												x	x	x							
2,4,5-Trichlorotoluene		6639-30-1		1,0 mg/kg	x												x	x	x							
2,3,4,5-Tetrachlorotoluene		76057-12-0		1,0 mg/kg	x												x	x	x							
2,3,4,6-Tetrachlorotoluene		875-40-1		1,0 mg/kg	x												x	x	x							
Pentachlorotoluene		877-11-2		1,0 mg/kg	x												x	x	x							
1,3-Dichlorobenzene		541-73-1		1,0 mg/kg	x												x	x	x							
1,4-Dichlorobenzene		106-46-7		1,0 mg/kg	x												x	x	x							
1,2,3-Tichlorobenzene		87-61-6		1,0 mg/kg	x												x	x	x							
1,2,4-Tichlorobenzene		120-82-1		1,0 mg/kg	x												x	x	x							
1,3,5-Tichlorobenzene		108-70-3		1,0 mg/kg	x												x	x	x							
1,2,3,4-Tetrachlorobenzene		634-66-2		1,0 mg/kg	x												x	x	x							
1,2,3,5-Tetrachlorobenzene		634-90-2		1,0 mg/kg	x												x	x	x							
1,2,4,5-Tetrachlorobenzene		95-94-3		1,0 mg/kg	x												x	x	x							
Pentachlorobenzene		608-93-5		1,0 mg/kg	x												x	x	x							
Hexachlorobenzene		118-74-1		1,0 mg/kg	x												x	x	x							
p-Chlorobenzotrichloride		5216-25-1		1,0 mg/kg	x	x											x	x	x	x	x				x	
Benzotrichloride		98-07-7		1,0 mg/kg	x	x											x	x	x	x	x				x	
Benzylchloride		100-44-7		1,0 mg/kg	x	x											x	x	x	x	x				x	
1,2-Dichlorbenzene		95-50-1		10 mg/kg	x												x	x	x							

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Dyestuffs classified as allergenous				each Dyestuff																						DIN 54231:2022
Disperse Blue 102		69766-79-6 12222-97-8		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	Conversion only with standard-compliant extraction and correct weigh-in.
Disperse Blue 106		68516-81-4 12223-01-7		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Blue 124		15141-18-1 61951-51-7		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Blue 26		3860-63-7		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Blue 3		2475-46-9		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Blue 35		56524-76-6	56524-77-7	3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Blue 7		3179-90-6		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Brown 1		23355-64-8		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Orange 1		2581-69-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Orange 3		730-40-5		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Orange 37/76		13301-61-6		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Red 1		2872-52-8		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Red 11		2872-48-2		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Red 17		3179-89-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Yellow 1		119-15-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Yellow 39		12236-29-2		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Yellow 49		54824-37-2		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Yellow 9		6373-73-5		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Dyestuffs classified as carcinogenic				each Dyestuff																						DIN 54231:2022
Disperse Yellow 23		6250-23-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	Conversion only with standard-compliant extraction and correct weigh-in.
Disperse Yellow 3		2832-40-8		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Orange 149		85136-74-9		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Acid Red 26		3761-53-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Basic Red 9		569-61-9		3,3 mg/l (50 mg/kg)	x	x											x	x	x		x				x	
Basic Violet 14		632-99-5		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Direct Black 38		1937-37-7		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Direct Blue 6		2602-46-2		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Direct Red 28		573-58-0		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Disperse Blue 1		2475-45-8		3,3 mg/l (50 mg/kg)	x	x											x	x	x		x				x	
Disperse Orange 11		82-28-0		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Basic Violet 3		548-62-9		3,3 mg/l (50 mg/kg)	x	x											x	x	x		x				x	
Dyestuffs - others				each Dyestuff																						DIN 54231:2022
Basic Blue 26		2580-56-5		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	Conversion only with standard-compliant extraction and correct weigh-in.
Solvent yellow 2		60-11-7		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Solvent yellow 14		842-07-9		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Basic Violet 1		8004-87-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Acid violet 49		1694-09-3		3,3 mg/l (50 mg/kg)	x												x	x	x		x				x	
Blue colorant (EC 405-6654; Index 611-070-00-2)		118685-33-9		n.d.	x	x		x	x	x							x	x	x	x	x				x	
Heavy Metals																										
Chromium VI, soluble after aging	Cr VI	7440-47-3		3 mg/kg	x	x		x	x	x																EN ISO 10195:2021; EN ISO 17075-1:2017; EN ISO 17075-2:2017
Cadmium, total	Cd	7440-43-9		100 mg/kg	x	x			x		x	x	x	x	x	x		x	x		x			x		metallic hardware / plastics / coated textile: DIN EN 16711-01:2016
Lead, total	Pb	7439-92-1		90 mg/kg	x	x			x		x	x	x	x	x	x		x	x		x				x	coated leather: ISO 17072-2:2022
Nickel release of metal parts	Ni	7440-02-0		0.28 µg/cm²/week	x																			x		EN 12472:2020; EN 1811:2023

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Extractable volatile organic compounds																										
Formamide		75-12-7		500 mg/kg	x	x						x				x										according to EN ISO 16189:2021
Dimethylformamide	DMFA	68-12-2		50 mg/kg	x	x												x								EN ISO 16189:2021;
Dimethylformamide	DMFA	68-12-2		300 mg/kg	x			x						x				x								EN 17131:2019
Dimethylformamide	DMFA	68-12-2		500 mg/kg		x		x						x				x								
Dimethylacetamide	DMAC	127-19-5		300 mg/kg	x			x						x				x								EN ISO 16189:2021; textile: EN 17131:2019
Dimethylacetamide	DMAC	127-19-5		500 mg/kg		x		x						x				x								
1-Methyl-2-pyrrolidone	NMP	872-50-4		500 mg/kg	x	x		x	x	x													x			DIN EN ISO 19070:2016
Bis(2-methoxyethyl)ether	BMEE	111-96-6		1000 mg/kg	x	x		x	x	x													x			according to EN ISO 16189:2021
Other Chemical Residues																										
Short chain chlorinated paraffins (C10-C13)	SCCP	85535-84-8		500 mg/kg	x	x		x	x	x	x	x	x	x	x	x		x	x		x		g)			EN ISO 18219-1:2019; EN ISO 18219-2:2019; EN ISO 22818:2021
medium chain chlorinated paraffins (C14-C17)	MCCP	85535-85-9		500 mg/kg	x	x		x	x	x	x	x	x	x	x	x		x	x		x		g)			g) The decision of the test laboratory is depending on the recipe to be tested
2-Mercaptobenzothiazole	2-MBT	149-30-4		100 mg/kg	x	x							x													according EN ISO 13365-1:2020
Formaldehyde (< 36 month)		50-00-0		16 mg/kg	x	x		x	x	x							x	x	x	x	x	x			x	textile: EN ISO 14184-1:2011; EN ISO 14184-3:2023
Formaldehyde (> 36 month)		50-00-0		75 mg/kg	x	x		x	x	x							x	x	x	x	x	x	x		x	leather: EN ISO 17226-1:2021 wood: EN 717-3:1996
Quinoline		91-22-5		50 mg/kg	x	x											x	x	x	x	x				x	DIN 54231:2022
Glutaraldehyde		111-30-8		500 mg/kg	x	x		x	x	x																prEN ISO 25202:2024
Melamin		108-78-1		500 mg/kg	x	x		x	x	x																
Bisphenol S		80-09-1		500 mg/kg	x	x		x	x	x																EN ISO 11936:2023
Bisphenol F		620-92-8		500 mg/kg	x	x		x	x	x																
Bisphenol A		80-05-7		500 mg/kg	x	x											x						x			
Nitrosamine (< 36 month)		16543-55-7		0,5 mg/kg	x								x													according to DIN EN 71-12:2017 (method for elastomers)
pH-Wert				3,5 - 7,0	x			x	x	x																leather : EN ISO 4045:2018
pH-Wert				4,0 - 7,5	x												x	x	x	x	x	x			x	textile: EN ISO 3071:2020
6,6'-Di-tert-butyl-2,2'-methylen-di-p-kresol	DBMK	119-47-1		1000 mg/kg	x	x							x													EN ISO 11936:2023
p-Phenylenediamine	pPDA	106-50-3			x	x											x	x	x	x	x					Not to be tested, proof of conformity declaration
Organotin compounds					x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			prEN ISO16179:2013
Dibutyltin	DBT	14488-53-0		5 mg/kg																						EN ISO 22744-1:2020
Dibutyltin dichloride	DBTC	683-18-1		5 mg/kg																						
Diocetyl tin	DOT	250252-87-0	94410-05-6	5 mg/kg																						
Monobutyltin	MBT	78763-54-9		5 mg/kg																						
Tributyltin	TBT	36643-28-4		1 mg/kg																						
Triphenyltin	TPhT	668-34-8		1 mg/kg																						
Monooctylzinn	MOT	94410-07-8		5 mg/kg																						
Bis (tributyltin)oxide	TBTO	56-35-9		1 mg/kg																						
Dimethyltin	DMT	753-73-1		5 mg/kg																						
Diphenyltin	DPhT	1135-99-5	1011-95-6	5 mg/kg																						
Dipropyltin	DPT	2406-60-2		5 mg/kg																						
Monophenyltin	MPhT	2406-68-0		5 mg/kg																						
Tetrabutyltin	TeBT	1461-25-2		5 mg/kg																						
Tricyclohexyltin	TCyHT	3091-32-5	6056-50-4	5 mg/kg																						
Trimethyltin	TMT	1066-45-1		5 mg/kg																						
Triocetyl tin	TOT	2587-76-0		5 mg/kg																						
Tripropyltin	TPT	688-73-3	761-44-4	5 mg/kg																						
Odor				max. 3	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	SNV 195651:2015
																										1=scentless 2=weak 3=clear but tolerable 4=incommode 5=unendurable

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Perfluorinated substances (PFAS) Part 1/2					x	x		x	x	x							x	x	x	x	x					Applies to the conscious use of PFAS to achieve a hydrophobic and dirt-repellent function of materials and for membranes.
Perfluoro-n-hexanoic acid and salts (Ab)				Σ 0,025 mg/kg																						In addition to the analysis: manufacturer's declaration of non-use of substances / for equipped articles
Perfluoro-n-hexanoic acid		PFHxA	307-24-4																							
Salts of perfluoro-n-hexanoic acid:																										
- Ammonium salt of perfluoro-n-hexanoic acid		APFHx	21615-47-4																							
Substances related to perfluoro-n-hexanoic acid (Ac)				Σ 1,0 mg/kg																						PFAS remarks from E DIN 17681-1, 2023-12 (Ab) salts cannot be identified and can only be quantified as the corresponding acid. (Ac) The results from related substances must be summarized. (Ad) The results of PFOS and their derivatives must be summarized and calculated as PFOS. (Ae) The compound is hydrolyzed and releases PFOA upon extraction with methanol/sodium hydroxide solution. (Af) The compound is hydrolyzed and releases related fluorotelomer alcohols (n:2 FTOH) upon extraction with methanol/sodium hydroxide solution. (Ag) 8:2 FTOH can be degraded to PFOA and is therefore a PFOA-related substance, it contains a C8F17-C component, which also characterizes it as a C9-C14-PFCA-related substance. (Ah) The substance is converted to PFOS.
6:2 Fluorotelomere alcohol		6:2 FTOH	647-42-7																							
6:2 Fluorotelomere acrylate		6:2 FTA (Af)	17527-29-6																							
6:2 Fluorotelomere methacrylate		6:2 FTMA (Af)	2144-53-8																							
6:2 Fluorotelomersulfonic acid		6:2 FTS	27619-97-2																							
Perfluoro-n-heptanoic acid				0,025 mg/kg																						
Perfluoro-n-heptanoic acid		PFHpA	375-85-9																							
Perfluoro-n-octanoic acid and salts (Ab)				Σ 0,025 mg/kg																						
Perfluoro-n-octanoic acid		PFOA	335-67-1																							
Salts of Perfluoro-n-octanoic acid:																										
- Ammoniumperfluoro-n-octanoate		APFO	3825-26-1																							
- Natriumperfluoro-n-octanoate		Na-PFO	335-95-5																							
- Kaliumperfluoro-n-octanoate		K-PFO	2395-00-8																							
- Silberperfluoro-n-octanoate		Ag-PFO	335-93-3																							
- Perfluoro-n-octanoylfluoride		F-PFO	335-66-0																							
Substances related to Perfluoro-n-octanoic acid (Ac)				Σ 1,0 mg/kg																					textile: prEN 17681-1:2023; EN 17681-1:2022; EN 17681-2:2022 leather: EN ISO 23702-1:2023	
Methylperfluoro-n-octanoate		Me-PFOA (Ae)	376-27-2																							
Ethylperfluoro-n-octanoate		Et-PFOA (Ae)	3108-24-5																							
8:2 Fluorotelomere alcohol		8:2 FTOH (Ag)	678-39-7																							
8:2 fluorotelomere acrylate		8:2 FTA (Af)	27905-45-9																							
8:2 fluorotelomere methacrylate		8:2 FTMA (Af)	1996-88-9																							
8:2 Fluorotelomersulfonic acid		8:2 FTS	39108-34-4																							
C9-C14-Perfluorinated carboxylic acids and salts (Ac)				Σ 0,025 mg/kg																						
Perflur-n-nonanoic acid		PFNA	375-95-1																							
Salts of Perfluoro-n-nonanoic acid: (Ab)																										
- Ammoniumperfluoro-n-nonanoate		NH4-PFN	4149-60-4																							
- Natriumperfluoro-n-nonanoate		Na-PFN	21049-39-8																							
Perfluoro-n-decanoic acid		PFDA	335-76-2																							
Salts of Perfluoro-n-decanoic acid: (Ab)																										
- Ammoniumperfluoro-n-decanoate		NH4-PFD	3108-42-7																							
- Natriumperfluoro-n-decanoate		Na-PFD	3830-45-3																							
Perfluoro-n-undecanoic acid		PFUnA	2058-94-8																							
Perfluoro-n-dodecanoic acid		PFDoA	307-55-1																							
Perfluoro-n-tridecansäure		PFTTrDA	72629-94-8																							
Perfluoro-n-tetradecanoic acid		PFTeDA	376-06-7																							
Perfluoride(3,7-dimethyl-n-octansäure)		PF-3,7-DMOA	172155-07-6																							
Substances related to C9-C14 Perfluorinated carboxylic acids (Ac)				Σ 0,260 mg/kg																						
2H,2H,3H-perfluoro-n-undecanoic acid		4HPFUnA	34598-33-9																							
8:2 Fluorotelomere alcohol		8:2 FTOH (Ag)	678-39-7																							
10:2 Fluorotelomere alcohol		10:2 FTOH	865-86-1																							
12:2 Fluorotelomere alcohol		12:2 FTOH	39239-77-5																							
10:2 Fluorotelomere Acrylate		10:2 FTA (Af)	17741-60-5																							
10:2 Fluorotelomersulfonic acid		10:2 FTS	120226-60-0																							

