Information of PFAS and PFAS present in mixtures and articles

Identity and quantity

Please fill in the following table in the columns relevant to you with the respective information concerning your PFAS/precursor/perfluorinated precursor.

Please assign quantities individually to each PFAS and PFAS in mixtures and/or articles.

Please use one line for each individual substance and, if necessary, with multiple entries in one data field. If not, use multiple lines for each individual substance,

#	Chemical name	Trade name(s)	CAS No.	EC No.	Purchased mixture or article	Concentration in the purchased mixture or article
1	Poly(vinylidene fluoride-co-hexafluoropropylene)		9011-17-0		PE film	ca. 0.1 %
2	Poly(vinylidene fluoride-co-hexafluoropropylene)		9011-17-0		PP film (BPP, CPP, OPP)	ca. 0.1 %
3	Poly(vinylidene fluoride-co-hexafluoropropylene)		9011-17-0		PE extrusion resin	ca. 0.1 %

4	Poly(vinylidene fluoride-co-hexafluoropropylene)		9011-17-0		PP masterbatch	ca. 1-5 %
5	Poly(vinylidene fluoride-co-hexafluoropropylene)		9011-17-0		PE masterbatch	ca. 1-5 %
6	Poly(tetrafluoroethylene)		9002-84-0		lacquer	max. 3 %
7	Poly(tetrafluoroethylene)		9002-84-0		printing ink	max. 3 %
8	Poly(tetrafluoroethylene)	Teflon, Xynflon, PTFE	9002-84-0		Roller Grease Tape Gaskets Sealing Bearings	100 %
9	Poly(tetrafluoroethylene)		9002-84-0		TEFLON-Spray	
10	Poly(tetrafluoroethylene)	Teflon	9002-84-0		PTFE wax	100 %
11	1,1,1,2-Tetrafluoroethane Difluoromethane Pentafluoroethane	R-134a Freon R-407A, R-32 R-125	811-97-2 75-10-5 354-33-6	212-377-0 200-839-4 206-557-8	Mixture of coolants in refrigerating system	
12	Perfluoroalkylethyl acrylate (mixture)		65605-70-1		grease-proof paper	ca. 1 %
13	Poly[trifluoropropyl(methyl) siloxane]		63148-56-1		printing inks	ca. 1 %

14	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-sulphonic acid	27619-97-2	gravure printing cylinders (mist suppressing agent in chrome plating)	
15	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	25190-89-0	PP film (BPP, CPP, OPP)	ca. 0.1 %
16	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	25190-89-0	PE film	ca. 0.1 %
17	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	25190-89-0	PP masterbatch	ca. 1 - 5 %
18	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	25190-89-0	PE masterbatch	ca. 1 - 5 %
19	Diphosphoric acid, polymers with ethoxylated reduced methyl esters of reduced polymerized oxidized tetrafluoroethylene	200013-65-6	grease-proof paper	ca. 1 %

20	2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl 2-methyl-2-propenoate, α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt	1158951-86-0	grease-proof paper	ca. 1 %
21	"short chain PFAS"	?	grease-proof paper	ca. 1 %
22	"C6-based PFAS"	?	grease-proof paper	ca. 1 %

linked with a clear identification, such as CAS No., etc.

Polyfluorinated precursors/ polymers Please indicate.	**Production process of PFAS, PFAS-containing mixture** Electrochemically or by other methods	**Production process of PFAS-containing article**	**Production process of polymers, fluorescins or other complex perfluorated compounds**
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4	compounding / blow film extrusion	printing, laminating	
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4	compounding / film extrusion	printing, laminating	
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4	extrusion resin production	extrusion, printing, laminating	

Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4	compounding	extrusion, printing, laminating
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4	compounding	extrusion, printing, laminating
Tetrafluoroethylene CAS 116-14-3	mixing liquid components	lacquering, coating
Tetrafluoroethylene CAS 116-14-3	mixing liquid components	printing, laminating
Tetrafluoroethylene CAS 116-14-3		
Tetrafluoroethylene CAS 116-14-3	mixing liquid components	
Tetrafluoroethylene CAS 116-14-3		ink formulation, coating, printing , laminating
		printing, laminating
	ink formulation	printing, laminating

Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4 Tetrafluoroethylene CAS 116-14-3	compounding, coextrusion, film extrusion	printing, laminating
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4 Tetrafluoroethylene CAS 116-14-3	compounding, coextrusion, blow film extrusion	printing, laminating
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4 Tetrafluoroethylene CAS 116-14-3	compounding	extrusion, printing, laminating
Vinylidene Fluoride CAS 75-38-7 Hexafluoropropylene CAS 116-15-4 Tetrafluoroethylene CAS 116-14-3	compounding	extrusion, printing, laminating
		printing, laminating

printing, laminating

printing, laminating

printing, laminating

Application	NIAS (e.g. oligomers or impurities)	Generation and/or use e of any relevant fluorinated substance including e.g. volatile substances during production that could be released to environment	Tonnage range production or import of PFAS and/or PFAS containing mixtures **per year**
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of film purchased: ca. 15 000 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of film purchased: ca. 15 000 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of PE resin purchased: ca. 20 000 tons

flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of masterbatch purchased: ca. 2 500 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of masterbatch purchased: ca. 1 500 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of lacquer produced: ca. 10 000 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of ink purchased: ca. 5 000 tons
components of production equipment			
lubricant for production equipment for manufacturing flexible packaging			
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of PTFE wax purchased: ca. 10 tons
Coolant in refrigerating system			
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)			quantity of paper purchased: ca. 150 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)			quantity of ink purchased: ca. 10 tons

components of production equipment			
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of film purchased: ca. 10 000 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of film purchased: ca. 10 000 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of masterbatch purchased: ca. 100 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	residual monomers see column H	concentration of residual monomers in the purchased material: < 1 mg/ton	quantity of masterbatch purchased: ca. 100 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)			quantity of paper purchased: ca. 150 tons

flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	quantity of paper purchased: ca. 5 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	quantity of paper purchased: ca. 50 tons
flexible packaging (food, pet food, cosmetics, pharmaceutical, medical, technical)	quantity of paper purchased: ca. 50 tons

Exposure-related questions		
Tonnage range of PFAS incorporated in articles **per year**	Tonnage range production of PFAS containing article **per year**	Number of workers involved in handling at company or customer sites
quantity of PFAS substance: ca. 15 tons	quantity of finished products: ca. 75 000 tons	40 production sites = ca. 4 000 workers
quantity of PFAS substance: ca. 15 tons	quantity of finished products: ca. 75 000 tons	25 production sites = ca. 3 000 workers
quantity of PFAS substance: ca. 20 tons	quantity of finished products: ca. 35 000 tons	17 extrusion sites many more conversion sites = ca. 7 500 workers

quantity of PFAS substance: ca. 75 tons	quantity of finished products: ca. 25 000 tons	12 extrusion sites many more conversion sites = ca. 5 000 workers
quantity of PFAS substance: ca. 45 tons	quantity of finished products: ca. 15 000 tons	10 extrusion sites many more conversion sites = ca. 5 000 workers
quantity of PFAS substance: ca. 300 tons	quantity of finished products: ca. 300 000 tons	5 production plants many more conversion sites = ca. 2 500 workers
quantity of PFAS substance: ca. 150 tons	quantity of finished products: ca. 75 000 tons	80 production sites = ca. 10 000 workers
		80 production sites = ca. 10 000 workers
		32 production sites = ca. 3 200 workers
quantity of PFAS substance: ca. 10 tons	quantity of finished products: ca. 10 000 tons	5 production sites = ca. 500 workers
quantity of PFAS substance: ca. 1.5 tons	quantity of finished products: ca. 300 tons	5 production sites = ca. 500 workers
quantity of PFAS substance: ca. 0.1 tons	quantity of finished products: ca. 1 000 tons	5 production sites = ca. 500 workers

quantity of PFAS substance: ca. 10 tons	quantity of finished products: ca. 30 000 tons	30 production sites = ca. 3 000 workers
quantity of PFAS substance: ca. 10 tons	quantity of finished products: ca. 30 000 tons	30 production sites = ca. 3 000 workers
quantity of PFAS substance: ca. 3 tons	quantity of finished products: ca. 1 000 tons	3 extrusion sites = 300 workers
quantity of PFAS substance: ca. 3 tons	quantity of finished products: ca. 1 000 tons	3 extrusion sites = 300 workers
quantity of PFAS substance: ca. 1.5 tons	quantity of finished products: ca. 300 tons	5 production sites = ca. 500 workers

quantity of PFAS substance: ca. 0.05 tons	quantity of finished products: ca. 10 tons	1 production site = ca. 100 workers
quantity of PFAS substance: ca. 0.5 tons	quantity of finished products: ca. 100 tons	2 production sites = ca. 200 workers
quantity of PFAS substance: ca. 0.5 tons	quantity of finished products: ca. 100 tons	2 production sites = ca. 200 workers