



4 Annex

For a compilation of individual substances and CAS numbers, please see Annex 5 of this standard document.

Limit values table

Any value measured in the laboratory (which is measured in mg/kg, µg/kg or w-%) must be below the specified limit to obtain the certificate.

Limit values and fastness

The testing procedures are described in a separate document

付属書

個々の物質と CAS 番号一覧は、この規格書の付属書 5 を参照してください。

規制値表

試験機関で測定された値 (mg/kg、µg/kg、w-% で測定される) が、指定された規制値以下であることが認証書の取得に必要です。

規制値および染色堅牢度

試験手順は別資料に記載

Product Class / 製品クラス	I Baby / 乳幼児	II in direct contact with skin / 肌接触大	III with no direct contact with skin / 肌接触小	IV Decoration material / 装飾用素材
pH value / pH 値 ¹	4.0 - 7.5	4.0 - 7.5	4.0 - 9.0	4.0 - 9.0
Formaldehyde [mg/kg]				
Free and partially releasable / 遊離していて、一部溶出の可能性あり	n.d. ²	75	150	300
Extractable (heavy) metals [mg/kg]				
As (Arsenic)	0.2	1.0	1.0	1.0
Ba (Barium)	1000	1000	1000	1000
Cd (Cadmium)	0.1	0.1	0.1	0.1
Co (Cobalt)	1.0	4.0	4.0	4.0
Cr (VI) (Chromium (VI) / Cr(VI))	0.5	0.5	0.5	0.5
Cr (Chromium)	1.0	2.0	2.0	2.0
Cu (Copper)	25.0 ⁴	50.0 ⁴	50.0 ⁴	50.0 ⁴
Hg (Mercury)	0.02	0.02	0.02	0.02
Ni (Nickel) ⁵	1.0 ⁶	4.0 ⁷	4.0 ⁷	4.0 ⁷
Pb (Lead)	0.2	1.0 ³	1.0 ³	1.0 ³
Sb (Antimony)	30.0	30.0	30.0	
Se (Selenium)	100	100	100	100
Heavy metals total content / 重金属全含有量 [mg/kg]				
As (Arsenic)	100	100	100	100
Cd (Cadmium)	40.0	40.0 ³	40.0 ³	40.0 ³
Hg (Mercury)	0.5	0.5	0.5	0.5
Pb (Lead)	90.0	90.0 ³	90.0 ³	90.0 ³

¹ Exceptions for products which must be treated wet during the further processing: 4.0 - 10.5; for foams: 4.0 - 9.0; for film materials (e.g. polyolefin films) with incorporated Calciumbicarbonate/carbonate or talc, which do not have directly contact to skin: 4.0 - 10.0; for wet wipes: 3.5 to 7.5; for taffeta labels: 4.0 - 9.0; for film material (e.g. polyolefin films) with incorporated Calciumbicarbonate/carbonate or talc and wallpaper, without direct skin contact: 4.0-10.0. / 例外 後工程で湿式処理される製品: 4.0 - 10.5; 発泡材: 4.0 - 9.0; 炭酸カルシウムやタルクを含む、壁紙や直接肌に触れないフィルム素材 (例: ポリオレフィンフィルム): 4.0-10.0; ウェットティッシュ: 3.5-7.5; タフタ製ラベル: 4.0-9.0

² n.d. corresponds according to „Japanese Law 112“ test method with an absorbance unit less than 0.05 resp. 16 mg/kg / n.d. は、日本の法律 112 の吸光度試験で 0.05 未満 (16 mg/kg) に相当

⁴ No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products / 無機物から作られた付属品や原糸には必要条件ではなく、生物活性製品に関する必要条件

⁵ Including the requirement by REACH-Regulation Annex XVII, Entry 27 / REACH 規則の付属書 XVII、27 項の要求事項を含む

⁶ For metallic accessories and metallized surfaces: 0.5 mg/kg / 金属製か金属表面の付属品: 0.5 mg/kg

⁷ For metallic accessories and metallized surfaces: 1.0 mg/kg / For metallic accessories and metallized surfaces: 1.0 mg/kg

³ For accessories made from glass: 0.1% (1000 mg/kg) / For accessories made from glass: 0.1% (1000 mg/kg)



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Pesticides / 残留農薬 [mg/kg] ⁸				
Sum / 合計	0.5	1.0	1.0	1.0
Glyphosate and salts for conventional cotton / グリホサートと塩 (従来綿用)	5	5	5	5
Glyphosate and salts for organic cotton / オーガニックコットン 用グリホサートとその塩	0.5	1.0	1.0	1.0
Pesticides under observation / 監視対象 残留農薬	u.o. / 監視対象			

⁸ For natural fibres only / 天然繊維のみ



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規制値および染色堅牢度

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試験手順は別資料に記載

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Chlorinated phenols / 塩素化フェノール [mg/kg]				
Pentachlorophenol (PCP)	0.05	0.5	0.5	0.5
Tetrachlorophenols (TeCP), Sum / 合計	0.05	0.5	0.5	0.5
Trichlorophenols (TrCP), Sum / 合計	0.2	2.0	2.0	2.0
Dichlorophenols (DCP), Sum / 合計	0.5	3.0	3.0	3.0
Monochlorophenols (MCP), Sum / 合計	0.5	3.0	3.0	3.0
Plasticizer/Phthalates / 可塑剤/フタレート [mg/kg] ¹¹				
Sum / 合計	500	500	500	
Sum without DINP / DINP 以外の合計				1000
Organic tin compounds / 有機スズ化合物 [mg/kg]				
TBT, TPhT	0.5	1.0	1.0	1.0
DBT, DMT, DOT, DPhT, DPT, MBT, MOT, MMT, MPhT, TeBT, TeET, TCyHT, TMT, TOT, TeOT, TPT	1.0	2.0	2.0	2.0
Other chemical residues / その他の残留化学物質				
Bis(4-chlorophenyl) sulphone [mg/kg]	1000	1000	1000	1000
Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide [mg/kg]	1000	1000	1000	1000
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [mg/kg]	1000	1000	1000	1000
Melamine [mg/kg] ³⁰	1000	1000	1000	1000
Free and cleavable carcinogenic arylamines except aniline / 遊離/開裂後の発ガン性芳香族アミン (アニリンは除く) [mg/kg] ^{12 13}	20	20	20	20
Free and cleavable carcinogenic arylamines under observation / 監視対象 遊離/開裂可能な発ガン性芳香族アミン	u.o. / 監視対象			
Aniline [mg/kg] ¹³	20	50	50	50
Benzene [mg/kg]	5.0	5.0	5.0	5.0
Bisphenol A [mg/kg]	100	100	100	100
Bisphenol B [mg/kg]	1000	1000	1000	1000
Bisphenol S [mg/kg]	1000	1000	1000	1000
Azodicarbonamide [mg/kg]	1000	1000	1000	1000
DMFu [mg/kg]	0.1	0.1	0.1	0.1
N-(hydroxymethyl)acrylamide [mg/kg]	1000	1000	1000	1000
Tris(2-methoxyethoxy)vinylsilane [mg/kg]	1000	1000	1000	1000
2-Mercaptobenzothiazol [mg/kg]	1000	1000	1000	1000
OPP [mg/kg]	10	25	25	25
Phenol [mg/kg]	20	50	50	50
Quinoline [mg/kg]	50	50	50	50
TCEP [mg/kg]	10	10	10	10
Chemical residues under observation / 監視対象 残留化学物質	u.o. / 監視対象			

¹¹ For coated articles, plastisol prints, flexible foams, and accessories made from plastics / コーティングされた商品、プラスチックソルプリント、柔らかい発泡材と樹脂製の付属品に適用

³⁰ There is a transition period for foams. If the foam contains more than 1000 mg/kg melamine, this must be stated on the certificate. / 発泡材については、移行期間が設けられています。フォームに1000mg/kg以上のメラミンが含まれている場合、認証書にその旨を記載する必要があります。

¹² For all materials containing polyurethane or other materials which may contain free carcinogenic arylamines / ポリウレタンや、遊離発ガン性芳香族アミンを含む全素材

¹³ May also be present as residues / 残留物として存在するかもしれない



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Colourants [mg/kg]				
Free and cleavable carcinogenic arylamines except aniline / 遊離/ 開裂可能な発ガン性芳香族アミン (アニリンを除く) ¹³	20	20	20	20
Free and cleavable carcinogenic arylamines under observation / 監視対象 遊離/開裂可能な発ガン性芳香族アミン ¹³	u.o. / 監視対象			
Aniline ¹³	20	50	50	50
Carcinogens / 発ガン性物質	50	50	50	50
Michler's Ketone / Base	1000	1000	1000	1000
Allergens / アレルゲン	50	50	50	50
Others / その他	50	50	50	50
Navy Blue	not used / 使用しない			

¹³ May also be present as residues / 残留物として存在するかもしれない



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Chlorinated benzenes and toluenes / 塩素化ベンゼン/トルエン [mg/kg]				
Sum / 合計	1.0	1.0	1.0	1.0
Polycyclic aromatic hydrocarbons (PAH) / 多環芳香族炭化水素 (PAH) [mg/kg] ¹⁵				
Benzo[a]anthracene	0.5	1.0	1.0	1.0
Benzo[a]pyrene	0.5	1.0	1.0	1.0
Benzo[b]fluoranthene	0.5	1.0	1.0	1.0
Benzo[e]pyrene	0.5	1.0	1.0	1.0
Benzo[k]fluoranthene	0.5	1.0	1.0	1.0
Chrysene	0.5	1.0	1.0	1.0
Dibenzo[a,h]anthracene	0.5	1.0	1.0	1.0
Sum 24 PAHs / PAH24 種の合計	5.0	10.0	10.0	10.0
Biological active products / 生物活性製品				
	no intentional use / 意図的使用禁止 ¹⁶			
Flame retardant products / 難燃製品				
General / 全般	no intentional use / 意図的使用禁止 10 mg/kg; each / 各 ^{16 17} Sum of all / 全合計 50 mg/kg			
Solvent residues [mg/kg] ¹⁸				
1,4-dioxane	10	10	10	10
DMAc ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
DMF ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
Formamide	200	200	200	200
NMP ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
Surfactant, wetting agent residues, alkyl phenols / 残留界面活性剤、湿潤剤、アルキルフェノール類 [mg/kg]				
BP, NP, OP, HpP, PeP, NP(EO), OP(EO); (Sum / 合計)	100.0	100.0	100.0	100.0
BP, NP, OP, HpP, PeP (Sum / 合計)	10.0	10.0	10.0	10.0

¹⁵ For all synthetic fibres, yarns, or threads and for plastic materials / For all synthetic fibres, yarns, or threads and for plastic materials

¹⁶ With exception of treatments accepted by OEKO-TEX® (see actual list on <http://www.oeko-tex.com>) / エコテックス®認可の処理加工は例外 (リスト参照 <http://www.oeko-tex.com>)

¹⁷ Accepted flame retardant products do not contain any of the banned flame retardant substances listed in Annex 5 as active agent / 認可難燃製品には活性剤として、付属書 5 記載の禁止難燃物質を含まないこと

¹⁸ For fibre, yarns, fabrics and coated articles (e.g. artificial leather) as well as foams (EVA, PVC), where solvents are used during production / 生産過程で有機溶剤を使用している、発泡材 (EVA, PVC) や繊維/原糸/布、コーティングされた商品 (例えば、人工皮革)

¹⁹ Exception for products which must undergo further industrial production stages (heat process in wet or dry stage preferred, but also other steps are possible): maximal 3.0 % / Exception for products which must undergo further industrial production stages (heat process in wet or dry stage preferred, but also other steps are possible): maximal 3.0 %

²⁰ For materials made of acrylic (PAN), elastane (EL) / polyurethane, polyimide and aramides as well as coated (PU-, PVC-, PVC-plastisol-, PVDC-, PVC-copolymer) textiles. / アクリル (PAN)、エラストン (EL) / ポリウレタン、ポリイミド、アラミド、およびコーティング (PU-, PVC-, PVC-plastisol-, PVDC-, PVC-copolymer) された繊維素材



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PFAS, Per- and polyfluoroalkylsubstances / ペル/ポリ フルオロアルキル化合物				
PFAS	no intentional use / 意図的使用禁止			
PFCA-related substances / PFCA 関連物質 Sum / 合計 [µg/kg]	260 ³⁴	260 ³⁴	260 ³⁴	260 ³⁴
PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE; sum / 合計 [µg/m ²]	1	1	1	1
PFHpA, PFNA, PFDA, PFUDA, PFDaA, PFTTrDA, PFTTeDA Further perfluorinated carboxylic acids sum; according to Annex 5 / 合計; 付属書 5 による [µg/kg]	25	25	25	25
Perfluorinated sulfonic acids, sum; according to Annex 5 / 合計; 付属書 5 による [µg/kg]	50	250	250	250
Perfluorohexanesulfonic acid, related substances and salts (PFHxS); Sum / 合計 [µg/kg] ³⁵	25	25	25	25
Partially fluorinated carboxylic / sulfonic acids, sum; according to Annex 5 / 合計; 付属書 5 による [µg/kg]	50	250	250	250
Partially fluorinated carboxylic / sulfonic acids, under observation / 監視対象	u.o. / 監視対象			
Partially fluorinated linear alcohols, sum; according to Annex 5 / 合計; 付属書 5 による [µg/kg]	250	250	250	250
Esters of fluorinated alcohols with acrylic acid, sum; according to Annex 5 / 合計; 付属書 5 による [µg/kg]	250	250	250	250
PFOA and salts Sum / PFOA と塩の合計 [µg/kg]	25	25	25	25
PFOA related Substances Sum / PFOA 関連物質の合計 [µg/kg] ²²	250	250	250	250
Fluorine content / フッ素含有量 [mg/kg]				
Total fluorine (TF) / 全フッ素 (TF) ³¹	100	100	100	100
UV stabilizers / 紫外線吸収剤 [mg/kg]				
UV 320, UV 327, UV 328, UV 350; each / 各	1000	1000	1000	1000
Chlorinated paraffins				
Sum of SCCP and MCCP / SCCP、MCCP の合計 [mg/kg]	50	50	50	50
Siloxanes / シロキサン [mg/kg]				
D4, D5, D6; each / 各	1000	1000	1000	1000
N-Nitrosamines; each / 各 [mg/kg]				
N-nitrosatable substances; Sum / 合計 [mg/kg]	5	5	5	5

³⁴ Any C9-C14 PFCA-related substance having a perfluoro group with the formula CnF2n+1- directly bonded to another carbon atom, where n = 8, 9, 10, 11, 12 or 13, including its salts and any combinations thereof. / 化学式 CnF2n+1 で表される、炭素原子に直接フッ素が結合したペルフルオログループの C9-C14 の PFCA 関連化合物で、n = 8, 9, 10, 11, 12, 13 の場合はその塩類をも含む

³⁵ PFHxS-related compounds are substances having C6F13S as a structural element and which degrade to PFHxS / PFHxS 関連化合物とは、化学構造式中に C6F13S を持ち、PFHxS へ減成する物質

²² Any other substance, which can degrade to PFOA, including substances (also salts and polymers) having linear or branched perfluoroheptyl derivatives with the formula (C7F15)C as a structural element. Except those derivatives with the formula C8F17-X, where X = F, Cl, Br, and fluoropolymers that are covered by CF3[CF2]n-R', where R' = any group, n > 16, and perfluoroalkyl carboxylic acids (including their salts, esters, halides and anhydrides) with ≥ 8 perfluorinated carbons. Also excluded are perfluoroalkane sulfonic acids and perfluoro phosphonic acids (including their salts, esters, halides and anhydrides) with ≥ 9 perfluorinated carbons or, perfluorooctanesulfonic acid and its derivatives (PFOS), which are listed in the Appendix I Part A of the regulation VO (EU) 2019/1021. / その他の物質として、化学構造式 (C7F15) の直鎖/側鎖ペルフルオロヘプチル派生物 (塩やポリマー含む) を持ち、PFOA へ減成する物質。例外は、化学構造式 C8F17-X を持つ派生物 (X は F、Cl、Br) と CF3 [CF2]n-R' からなるフルオロポリマーで、R' は炭素数 8 以上のペルフルオロカーボンを持つペルフルオロアルキルカルボン酸 (塩、エステル、ハロゲン、無水物を含む)。更なる例外として、炭素数 9 以上のペルフルオロカルボンを含むペルフルオロアルカンスルホン酸とペルフルオロリン酸 (塩、エステル、ハロゲン、無水物を含む) ペルフルオロオクタンスルホン酸とその派生物 (PFOS) で、VO(EU)2019/1021 規則の付属書パート A に記載あり。

³¹ This limit value applies from the 01.01.2024 on. / 規制値は、2024 年 1 月 1 日より適用



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Chlorinated solvents [mg/kg] ^{32*}				
1,1,1,2-Tetrachloroethane	1.0	1.0	1.0	1.0
1,1,1-Trichloroethane	1.0	1.0	1.0	1.0
1,1,2,2-Tetrachloroethane	1.0	1.0	1.0	1.0
1,1,2-Trichloroethane	1.0	1.0	1.0	1.0
1,1-Dichloroethane	1.0	1.0	1.0	1.0
1,1-Dichloroethylene	1.0	1.0	1.0	1.0
1,2-Dichloroethane	1.0	1.0	1.0	1.0
1,2-Dichloroethylene	1.0	1.0	1.0	1.0
Dichloromethane	1.0	1.0	1.0	1.0
Pentachloroethane	1.0	1.0	1.0	1.0
Tetra(per)chloroethylene	1.0	1.0	1.0	1.0
Tetrachloromethane	1.0	1.0	1.0	1.0
Trichloroethylene	1.0	1.0	1.0	1.0
Trichloromethane (Chloroform)	1.0	1.0	1.0	1.0
Sum of the chlorinated solvents / 塩素系溶剤の合計	5.0	5.0	5.0	5.0

³² 2024 is transition period / 2024 年は移行期間



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Other VOCs and glycols / その他の VOC とグリコール類 [mg/kg] ^{23 32*}				
Acetophenone	10.0	10.0	10.0	10.0
Benzene	1.0	1.0	1.0	1.0
Bis(2-methoxyethyl)ether	10.0	10.0	10.0	10.0
Cyclohexanone	10.0	10.0	10.0	10.0
1,2-Diethoxyethane	10.0	10.0	10.0	10.0
1,4-dioxane	10.0	10.0	10.0	10.0
2-Ethoxyethanol	10.0	10.0	10.0	10.0
2-Ethoxyethylacetate	10.0	10.0	10.0	10.0
Ethylbenzene	10.0	10.0	10.0	10.0
Ethylene glycol dimethyl ether	10.0	10.0	10.0	10.0
2-Methoxy-1-propanol	10.0	10.0	10.0	10.0
2-Methoxyethanol	10.0	10.0	10.0	10.0
2-Methoxyethylacetate	10.0	10.0	10.0	10.0
2-Methoxypropylacetate	10.0	10.0	10.0	10.0
1-Methyl-2-pyrrolidone (NMP)	refer to solvent residues / 残留有機溶剤を参照			
Methylethylketone	10.0	10.0	10.0	10.0
Naphthalene	refer to corresponding entry at PAH / PAH での該当事項参照			
N,N-Dimethylacetamide (DMAc)	refer to solvent residues / 残留有機溶剤を参照			
N,N-Dimethylformamide (DMF)	refer to solvent residues / 残留有機溶剤を参照			
2-Phenyl-2-propanole	10.0	10.0	10.0	10.0
Styrene	10.0	10.0	10.0	10.0
Toluene	10.0	10.0	10.0	10.0
1,2,3-Trichloropropane	10.0	10.0	10.0	10.0
Triethylene glycol dimethyl ether	10.0	10.0	10.0	10.0
Xylene	10.0	10.0	10.0	10.0
Cresols / クレゾール [mg/kg] ³²				
o-Cresol	10.0	10.0	10.0	10.0
m-Cresol	10.0	10.0	10.0	10.0
p-Cresol	10.0	10.0	10.0	10.0
Colour fastness (staining) / 堅牢度 (汚染)				
To water / 耐水	3 - 4	3	3	3
To acidic perspiration / 耐酸性汗	3 - 4	3 - 4	3 - 4	3 - 4
To alkaline perspiration	3 - 4	3 - 4	3 - 4	3 - 4
To rubbing, dry / 耐摩擦 (乾) ^{23 24}	4	4	4	4
To saliva and perspiration / 耐唾液と汗	fast / 堅牢			
Emission of volatiles [mg/m3] ²⁵				
Formaldehyde [50-00-0]	0.1	0.1	0.1	0.1
Toluene [108-88-3]	0.1	0.1	0.1	0.1
Styrene [100-42-5]	0.005	0.005	0.005	0.005
4-Vinylcyclohexene [100-40-3]	0.002	0.002	0.002	0.002
4-Phenylcyclohexene [4994-16-5]	0.03	0.03	0.03	0.03
Butadiene [106-99-0]	0.002	0.002	0.002	0.002
Vinylchloride [75-01-4]	0.002	0.002	0.002	0.002
Aromatic hydrocarbons / 芳香族炭化水素	0.3	0.3	0.3	0.3
Organic volatiles / 揮発性有機化合物	0.5	0.5	0.5	0.5
Organic cotton fibres and materials / オーガニック綿の繊維と原料 ²⁶				
GMO Genetically modified organisms / GMO 遺伝子組換え生物	No intentional use / 意図的使用禁止			
GMO quantitative analysis / 遺伝子組換え作物の定量分析 [%] ³³	5	5	5	5
Determination of odours				
General / 全般	no abnormal odour / 異常な臭いがないこと ²⁷			
SNV 195 651 (Modified / 組換え) ²⁵	3	3	3	3



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Product Class / 製品クラス	I Baby / 乳幼児	II in direct contact with skin / 肌接触大	III with no direct contact with skin / 肌接触小	IV Decoration material / 装飾用素材
Banned fibres / 禁止繊維				
Asbestos	No intentional use / 意図的使用禁止			
synthetic polymer microplastics in decorative articles / 装飾用商品 での合成樹脂マイクロプラスチック ³⁶	No intentional use / 意図的使用禁止			

- ²³ These limits do not apply for non-textile accessories / small parts (e.g. synthetic buttons, lacquered, painted or coated metallic components, etc.) / これらの制限は、非テキスタイルのアクセサリ / 小さな部品 (合成ボタン、ラッカー塗装、塗装された金属製部品など) には適用されません。
- ³² 2024 is transition period / 2024 年は移行期間
- ²⁴ For pigment, vat or sulphurous colourants a minimum grade of colour fastness to rubbing of 3 (dry) is acceptable / 顔料やバット/硫化染料では、摩擦堅牢度 (乾) 最低 3 級も容認
- ²⁵ For textile carpets, mattresses as well as foams and large coated articles not being used for clothing / 繊維製カーペット、マットレスや発泡材とコーティングされた大きな商品 (衣料品は除く)
- ²⁶ Refer also to item 5.5. of this standard / 本規格 5.5 項も参照下さい
- ³³ In a first step, the qualitative method is performed. If GMO is detected, the quantitative method can be carried out (on raw cotton only). / 最初に定性試験を実施。もし GMO (遺伝子組換え生物) 検出なら、定量試験を実施 (未加工綿のみ)
- ²⁷ No odour from mould, high boiling fraction of petrol, fish, aromatic hydrocarbons or perfume / カビ、石油高沸点留分、魚臭、芳香族炭化水素や香水の臭いがないこと
- ³⁶ as defined by the ECHA / 欧州化学品庁 (ECHA) での定義に従い



STANDARD
100

5 Annex

付属書

Compilation of the individual substances for Annex 4 付属書 4 適用 個別物質リスト

Pesticides / 残留農薬

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
2,4,5-T	93-76-5	Endrine	72-20-8
2,4-D	94-75-7	Esfenvalerate	66230-04-4
Acetamiprid	135410-20-7, 160430-64-8	Fenvalerate	51630-58-1
Aldicarb	116-06-3	Heptachlor	76-44-8
Aldrine	309-00-2	Heptachloroepoxide	1024-57-3, 28044-83-9
Azinophosethyl	2642-71-9	Hexachlorobenzene	118-74-1
Azinophosmethyl	86-50-0	Hexachlorocyclohexane, α-	319-84-6
Bromophos-ethyl	4824-78-6	Hexachlorocyclohexane, β-	319-85-7
Captafol	2425-06-1	Hexachlorocyclohexane, δ-	319-86-8
Carbaryl	63-25-2	Imidacloprid	105827-78-9, 138261-41-3
Carbendazim	10605-21-7	Isodrine	465-73-6
Chlorbenzilate	510-15-6	Kelevane	4234-79-1
Chlordane	57-74-9	Kepone	143-50-0
Chlordimeform	6164-98-3	Lindane	58-89-9
Chlorfenvinphos	470-90-6	Malathion	121-75-5
Chlorothalonil	1897-45-6	MCPA	94-74-6
Clothianidin	210880-92-5	MCPB	94-81-5
Coumaphos	56-72-4	Mecoprop	93-65-2
Cyfluthrin	68359-37-5	Metamidophos	10265-92-6
Cyhalothrin	91465-08-6	Methoxychlor	72-43-5
Cypermethrin	52315-07-8	Mirex	2385-85-5
DEF	78-48-8	Monocrotophos	6923-22-4
Deltamethrin	52918-63-5	Nitenpyram	150824-47-8, 120738-89-8
DDD	53-19-0, 72-54-8	Parathion	56-38-2
DDE	3424-82-6, 72-55-9	Parathion-methyl	298-00-0
DDT	50-29-3, 789-02-6	Perthane	72-56-0
Diazinon	333-41-5	Phosdrin / Mevinphos	7786-34-7
Dichlorophene	97-23-4	Phosphamidone	13171-21-6
Dichlorprop	120-36-5	Propethamphos	31218-83-4
Dicofol	115-32-2	Profenophos	41198-08-7
Dicrotophos	141-66-2	Silafluofen	105024-66-6
Dieldrine	60-57-1	Strobane	8001-50-1
Dimethoate	60-51-5	Quinalphos	13593-03-8
Dinoseb, its salts and acetate	88-85-7 et. al.	Telodrine	297-78-9
Dinotefuran	165252-70-0	Thiacloprid	111988-49-9
DTTB	63405-99-2	Thiamethoxam	153719-23-4
Endosulfan	115-29-7	Tolyfluanide	731-27-1
Endosulfan, α-	959-98-8	Toxaphene	8001-35-2
Endosulfan, β-	33213-65-9	Trifluralin	1582-09-8

Pesticides under observation / 監視対象 残留農薬

Name / 名称	CAS-Nr.
Metam-sodium	137-42-8

Glyphosate and salts / グリホサートと塩

Name / 名称	CAS-Nr.
e.g. Isopropylammonium- salt, potassium salt, ammonium salt	1071-83-6 38641-94-0 70901-12-1 40465-66-5 et.al.



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Chlorinated phenols / 塩素化フェノール

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
Pentachlorophenol	87-86-5	2,3-Dichlorophenol	576-24-9
2,3,4,5-Tetrachlorophenol	4901-51-3	2,4-Dichlorophenol	120-83-2
2,3,4,6-Tetrachlorophenol	58-90-2	2,5-Dichlorophenol	583-78-8
2,3,5,6-Tetrachlorophenol	935-95-5	2,6-Dichlorophenol	87-65-0
2,3,4-Trichlorophenol	15950-66-0	3,4-Dichlorophenol	95-77-2
2,3,5-Trichlorophenol	933-78-8	3,5-Dichlorophenol	591-35-5
2,3,6-Trichlorophenol	933-75-5	2-Chlorophenol	95-57-8
2,4,5-Trichlorophenol	95-95-4	3-Chlorophenol	108-43-0
2,4,6-Trichlorophenol	88-06-2	4-Chlorophenol	106-48-9
3,4,5-Trichlorophenol	609-19-8		



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Compilation of the individual substances for Annex 4 (付属書 4 適用) 個別物質のまとめ

Plasticizer/Phthalates / 可塑剤/フタレート

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
Benzylbutylphthalate	85-68-7	BBP
Dibutylphthalate	84-74-2	DBP
Diethylphthalate	84-66-2	DEP
Dimethylphthalate	131-11-3	DMP
Di-(2-ethylhexyl)phthalate	117-81-7	DEHP
Di-(2-methoxyethyl)phthalate	117-82-8	DMEP
Di-C6-8-branched alkylphthalates, C7 rich	71888-89-6	DIHP
Di-C7-11-branched and linear alkylphthalates	68515-42-4	DHNUP
Dicyclohexylphthalate	84-61-7	DCHP
Dihexylphthalates, branched and linear	68515-50-4	DHxP
Di-iso-butylphthalate	84-69-5	DIBP
Di-iso-hexylphthalate	71850-09-4	DIHxP
Di-iso-octylphthalate	27554-26-3	DIOP
Di-iso-nonylphthalate	28553-12-0, 68515-48-0	DINP
Di-iso-decylphthalate	26761-40-0, 68515-49-1	DIDP
Di-n-propylphthalate	131-16-8	DPrP
Di-n-hexylphthalate	84-75-3	DHP
Di-n-octylphthalate	117-84-0	DNOP
Di-n-nonylphthalate	84-76-4	DNP
Di-pentylphthalate (n-, iso-, or mixed)	131-18-0, 605-50-5, 776297-69-9, 84777-06-0	DPP
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters	68515-51-5	
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	

Organic tin compounds / 有機スズ化合物

<u>Name / 名称</u>	<u>Acronym</u>	<u>Name / 名称</u>	<u>Acronym</u>
Dibutyltin	DBT	Tetrabutyltin	TeBT
Dimethyltin	DMT	Tetraethyltin	TeET
Diocetyl tin	DOT	Tributyltin	TBT
Diphenyltin	DPhT	Tricyclohexyltin	TCyHT
Dipropyltin	DPT	Trimethyltin	TMT
Monomethyltin	MMT	Triocetyl tin	TOT
Monobutyltin	MBT	Triphenyltin	TPhT
Monooctyltin	MOT	Tetraoctyltin	TeOT
Monophenyltin	MPhT	Tripropyltin	TPT

Free and cleavable carcinogenic arylamines / 遊離/開裂可能な発ガン性芳香族

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
4-Aminobiphenyl	92-67-1	4,4'-Thiodianiline	139-65-1
Benzidine	92-87-5	o-Toluidine	95-53-4
4-Chloro-o-toluidine	95-69-2	2,4-Toluenediamine	95-80-7
2-Naphthylamine	91-59-8	2,4,5-Trimethylaniline	137-17-7
o-Aminoazotoluene	97-56-3	o-Anisidine (2-Methoxyaniline)	90-04-0
2-Amino-4-nitrotoluene	99-55-8	4-Aminoazobenzene	60-09-3
4-Chloroaniline	106-47-8	2,4-Xylidine	95-68-1
2,4-Diaminoanisole	615-05-4	2,6-Xylidine	87-62-7
4,4'-Diaminodiphenylmethane	101-77-9	Aniline	62-53-3
3,3'-Dichlorobenzidine	91-94-1	4-Chloro-o-toluidinium chloride	3165-93-3
3,3'-Dimethoxybenzidine	119-90-4	2,4-Diaminoanisole sulphate	39156-41-7
3,3'-Dimethylbenzidine	119-93-7	3,3-Diaminobenzidin	91-95-2
4,4'-Methylenedi-o-toluidine	838-88-0	2,5-Diaminotoluene / 2-methyl-p-phenylenediamine	95-70-5
p-Cresidine (6-Methoxy-m-toluidine)	120-71-8	4-Ethoxyaniline / p-phenetidine	156-43-4
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	2-Naphthylammoniumacetate	553-00-4
4,4'-Oxydianiline	101-80-4	2,4,5-Trimethylaniline hydrochloride	21436-97-8



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Compilation of the individual substances for Annex 4 付属書 4 適用 個別物質リスト

Free and cleavable carcinogenic arylamines under observation / 監視対象 遊離/開裂可能な発ガン性芳香族アミン

Name / 名称	CAS-Nr.	Name / 名称	CAS-Nr.
p-anisidine	20265-97-8	2-amino-5-nitrothiazole	121-66-4

Dyestuffs and pigments classified as carcinogenic / 発ガン性に分類される染料と顔料

C.I. Generic Name	C.I. Structure number	CAS-Nr.
C.I. Acid Red 26	C.I. 16 150	3761-53-3
C.I. Acid Red 114		6459-94-5
C.I. Basic Blue 26 (with ≥ 0.1 % Michler's ketone or base)		2580-56-5
C.I. Basic Red 9	C.I. 42 500	569-61-9
C.I. Basic Violet 3 (with ≥ 0.1 % Michler's ketone or base)		548-62-9
C.I. Basic Violet 14	C.I. 42 510	632-99-5
C.I. Direct Black 38	C.I. 30 235	1937-37-7
C.I. Direct Blue 6	C.I. 22 610	2602-46-2
C.I. Direct Blue 15		2429-74-5
C.I. Direct Brown 95		16071-86-6
C.I. Direct Red 28	C.I. 22 120	573-58-0
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8
C.I. Disperse Orange 11	C.I. 60 700	82-28-0
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8
C.I. Solvent Yellow 1 (4-Aminoazobenzene / Aniline Yellow)	C.I. 11100	60-09-3
C.I. Solvent Yellow 3 (o-Aminoazotoluene / o-Aminoazotoluol)		97-56-3
C.I. Pigment Red 104 (Lead chromate molybdate sulphate red)	C.I. 77 605	12656-85-8
C.I. Pigment Yellow 34 (Lead sulfochromate yellow)	C.I. 77 603	1344-37-2
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with ≥ 0.1 % Michler's ketone or base		561-41-1
C.I. Solvent Blue 4 with ≥ 0.1 % Michler's ketone or base		6786-83-0

Dyestuffs classified as allergenic / アレルギー誘発性に分類される染料

C.I. Generic Name	C.I. Structure number	CAS-Nr.
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8
C.I. Disperse Blue 3	C.I. 61 505	2475-46-9
C.I. Disperse Blue 7	C.I. 62 500	3179-90-6
C.I. Disperse Blue 26	C.I. 63 305	3860-63-7
C.I. Disperse Blue 35		12222-75-2
C.I. Disperse Blue 102		12222-97-8
		69766-79-6
C.I. Disperse Blue 106		12223-01-7
		68516-81-4
C.I. Disperse Blue 124		15141-18-1
		61951-51-7
C.I. Disperse Brown 1		23355-64-8
C.I. Disperse Orange 1	C.I. 11 080	2581-69-3
C.I. Disperse Orange 3	C.I. 11 005	730-40-5
C.I. Disperse Orange 37 (= 59 / = 76)	C.I. 11 132	51811-42-8, 13301-61-6, 12223-33-5
C.I. Disperse Orange 59	C.I. 11 132	
C.I. Disperse Orange 76	C.I. 11 132	
C.I. Disperse Red 1	C.I. 11 110	2872-52-8
C.I. Disperse Red 11	C.I. 62 015	2872-48-2
C.I. Disperse Red 17	C.I. 11 210	3179-89-3
C.I. Disperse Yellow 1	C.I. 10 345	119-15-3
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8
C.I. Disperse Yellow 9	C.I. 10 375	6373-73-5
C.I. Disperse Yellow 39		12236-29-2
C.I. Disperse Yellow 49		54824-37-2



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Compilation of the individual substances for Annex 4 付属書 4 適用 個別物質リスト

Other banned dyestuffs / その他の禁止染料

<u>C.I. Generic Name</u>	<u>C.I. Structure number</u>	<u>CAS-Nr.</u>
C.I. Basic Green 4 (chloride)		569-64-2
C.I. Basic Green 4 (free)		10309-95-2
C.I. Basic Green 4 (oxalate)		2437-29-8, 18015-76-4
C.I. Disperse Orange 149		85136-74-9
C.I. Basic Yellow 2 / Solvent Yellow 34 (hydrochloride and free base)		2465-27-2 / 492-80-8
C.I. Disperse Yellow 23	C.I. 26 070	6250-23-3
Navy Blue (Index-Nr. 611-070-00-2; EG-Nr. 405-665-4)		

Michler's Ketone/Base

<u>C.I. Generic Name</u>	<u>CAS-Nr.</u>
Michler's base	101-61-1
Michler's ketone	90-94-8

Chlorinated benzenes and toluenes / 塩素化ベンゼン/トルエン

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
<u>Chlorobenzenes</u>		<u>Chlorobenzenes</u>	
Chlorobenzene	108-90-7	Dichlorobenzenes	25321-22-6
1,2-Dichlorobenzene	95-50-1	1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7	Trichlorobenzenes	12002-48-1
1,2,3-Trichlorobenzene	87-61-6	1,2,4-Trichlorobenzene	120-82-1
1,3,5-Trichlorobenzene	108-70-3	Tetrachlorobenzenes	12408-10-5
1,2,3,4-Tetrachlorobenzene	634-66-2	1,2,3,5-Tetrachlorobenzene	634-90-2
1,2,4,5-Tetrachlorobenzene	95-94-3	1,2,3,4(or 1,2,4,5)-Tetrachlorobenzene	84713-12-2
Pentachlorobenzene	608-93-5	Hexachlorobenzene	118-74-1
<u>Chlorotoluenes / 塩素化トルエン</u>		<u>Chlorotoluenes / 塩素化トルエン</u>	
2-Chlorotoluene	95-49-8	2,5-Dichlorotoluene	19398-61-9
4-Chlorotoluene	106-43-4	3,4-Dichlorotoluene	95-75-0
2,4-Dichlorotoluene	95-73-8	2,3,4-Trichlorotoluene	7359-72-0
2,6-Dichlorotoluene	118-69-4	2,3,6-Trichlorotoluene	2077-46-5
3,5-Dichlorotoluene	25186-47-4	2,4,6-Trichlorotoluene	23749-65-7
2,3,5-Trichlorotoluene	56961-86-5	2,3,4,5-Tetrachlorotoluene	1006-32-2, 76057-12-0
2,4,5-Trichlorotoluene	6639-30-1	2,3,5,6-Tetrachlorotoluene	1006-31-1, 29733-70-8
3,4,5-Trichlorotoluene	21472-86-6	Benzyl chloride	100-44-7
2,3,4,6-Tetrachlorotoluene	875-40-1	Benzotrithloride	98-07-7
2,3,4,5,6-Pentachlorotoluene	877-11-2	4-Chlorobenzotrithloride	5216-25-1
3-Chlorotoluene	108-41-8	α-substituted-Chlorotoluenes	Various
2,3-Dichlorotoluene	32768-54-0		

Polycyclic aromatic hydrocarbons (PAH) / 多環芳香族炭化水素 (PAH)

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
Acenaphthene / Acenaphthene	83-32-9	Dibenzo[a,h]anthracene	53-70-3
Acenaphthylene	208-96-8	Dibenzo[a,e]pyrene	192-65-4
Anthracene	120-12-7	Dibenzo[a,h]pyrene	189-64-0
Benzo[a]anthracene	56-55-3	Dibenzo[a,i]pyrene	189-55-9
Benzo[a]pyrene	50-32-8	Dibenzo[a,l]pyrene	191-30-0
Benzo[b]fluoranthene	205-99-2	Fluoranthene	206-44-0
Benzo[e]pyrene	192-97-2	Fluorene	86-73-7
Benzo[ghi]perylene	191-24-2	Indeno[1,2,3-cd]pyrene	193-39-5
Benzo[j]fluoranthene	205-82-3	1-Methylpyrene	2381-21-7
Benzo[k]fluoranthene	207-08-9	Naphthalene	91-20-3
Chrysene	218-01-9	Phenanthrene	85-01-8
Cyclopenta[c,d]pyrene	27208-37-3	Pyrene	129-00-0



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Compilation of the individual substances for Annex 4 付属書 4 適用 個別物質リスト

Forbidden flame retardant substances / 禁止難燃物質

Name / 名称	CAS-Nr.	Acronym
1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	
2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0	BBMP
Barium diboron tetraoxide	13701-59-2	
Bis(2,3-dibromopropyl)phosphate	5412-25-9	BIS
Bis(2-ethylhexyl) tetrabromophthalate, any of the individual isomers and/or combinations thereof	Various	TBPH
Boric acid / ホウ酸	10043-35-3, 11113-50-1	
Decabromobiphenyl	13654-09-6	DecaBB
Decabromodiphenylether	1163-19-5	DecaBDE
Diboron trioxide	1303-86-2	
Dibromobiphenyls	various	DiBBs
Dibromodiphenylethers	various	DiBDEs
Disodium octaborate	12008-41-2	
Disodium tetraborate	1303-96-4, 1330-43-4, 12179-04-3	
Heptabromobiphenyls	various	HeptaBBs
Heptabromodiphenylethers	various, 68928-80-3	HeptaBDEs
Hexabromobiphenyls	various	HexaBBs
Hexabromocyclododecane and all main diastereomeres identified (alpha-, beta-, gamma-)	Various, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4	HBCDD
Hexabromodiphenylethers	various, 36483-60-0	HexaBDEs
Monobromobiphenyls	various	MonoBBs
Monobromodiphenylethers	various	MonoBDEs
Nonabromobiphenyls	various	NonaBBs
Nonabromodiphenylethers	various, 63936-56-1	NonaBDEs
Octabromobiphenyls	various	OctaBBs
Octabromodiphenylethers	various, 32536-52-0	OctaBDEs
Pentabromobiphenyls	various	PentaBBs
Pentabromodiphenylethers	various, 32534-81-9	PentaBDEs
Polybrominated diphenyl ethers	various	PBDEs
Polybromobiphenyls (Polybrominated biphenyls)	59536-65-1	PBBs
Tetraboron disodium heptaoxide, hydrate	12267-73-1	
Tetrabromobiphenyls	various	TetraBBs
Tetrabromobisphenol A	79-94-7	TBBPA
Tetrabromodiphenylethers	various, 40088-47-9	TetraBDEs
Tri(2,3-dibromopropyl)phosphate	126-72-7	TRIS
Tribromobiphenyls	various	TriBBs
Tribromodiphenylethers	various	TriBDEs
Tris(1,3-dichloro-iso-propyl)phosphate	13674-87-8	TDCPP
Tris(2-chloroethyl)phosphate	115-96-8	TCEP
Tris(aziridinyl)phosphin oxide	545-55-1	TEPA
Trixylylphosphate	25155-23-1	TXP
Zinc borate salts	1332-07-6, 12767-90-7	

Solvent residues / 残留有機溶剤

Name / 名称	CAS-Nr.	Acronym
1-Methyl-2-pyrrolidone	872-50-4	NMP
Formamide	75-12-7	
N,N-Dimethylacetamide	127-19-5	DMAc
N,N-Dimethylformamide	68-12-2	DMF

Surfactant, wetting agent residues, alkyl phenols / 残留界面活性剤、湿潤剤、アルキルフェノール類

Name / 名称	CAS-Nr.	Acronym
4-tert-butylphenol	98-54-4	BP
Heptylphenol	various	HpP
Nonylphenol	various	NP
Nonylphenoethoxylates	various	NP(EO)
Octylphenol	various	OP
Octylphenoethoxylates	various	OP(EO)
Pentylphenol	various	PeP



Compilation of the individual substances for Annex 4 付属書 4 適用 個別物質リスト

Other chemical residues / その他の残留化学物質

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	
Bisphenol S (4,4'-Sulfonyldiphenol)	80-09-1	
Melamine	108-78-1	
Aniline	62-53-3	
Benzene	71-43-2	
Bisphenol A (4,4'-Isopropylidenediphenol)	80-05-7	BPA
Bisphenol B (4,4'-(1-methylpropylidene)bisphenol)	77-40-7	BPB
Azodicarbonamide	123-77-3	ADCA
N-(hydroxymethyl)acrylamide	924-42-5	
Dimethylfumarate	624-49-7	DMFu
Tris(2-methoxyethoxy)vinylsilane	1067-53-4	
Phenol	108-95-2	
o-Phenylphenol	90-43-7	OPP
2-Mercaptobenzothiazol	149-30-4	2-MTB
Quinoline (Chinoline / Benzo[b]pyridine)	91-22-5	
Tris(4-nonylphenyl, branched and linear)phosphite with 0.1% w/w of 4-nonylphenol, branched and linear	various	TNPP
Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	
Bis(4-chlorophenyl) sulphone	80-07-9	

Chemical residues under observation / 監視対象 残留化学物質

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
1,2-Diethoxyethane	629-14-1	2-Methoxypropanol	1589-47-5
N-ethyl-2-pyrrolidone/NEP	2687-91-4	Methylisothiazolinone	2682-20-4
2-Methoxyethylacetate	110-49-6	Bisphenol F (4,4'-Methylenediphenol)	620-92-8
Drometrizole	2440-22-4	Bisphenol AF (4,4'-(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)diphenol)	1478-61-1

UV stabilizers / 紫外線吸収剤

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
2-Benzotriazol-2-yl-4,6-di-tert-butylphenol	3846-71-7	UV 320
2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	3864-99-1	UV 327
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol	25973-55-1	UV 328
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	36437-37-3	UV 350

Chlorinated paraffins

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
Short chain chlorinated paraffins (C10 - C13)	85535-84-8	SCCP
Medium chain chlorinated paraffins (C14 - C17)	85535-85-9, 198840-65-2, MCCP 1372804-76-6	

Siloxanes / シロキサン

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
Octamethylcyclotetrasiloxane	556-67-2	D4
Decamethylcyclopentasiloxane	541-02-6	D5
Dodecamethylcyclohexasiloxane	540-97-6	D6

Chlorinated solvents / 塩素系溶剤

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
Dichloromethane	75-09-2	1,1,1,2-Tetrachloroethane	630-20-6
Trichloromethane (Chloroform)	67-66-3	1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloromethane	56-23-5	Pentachloroethane	76-01-7
1,1-Dichloroethane	75-34-3	1,1-Dichloroethylene	75-35-4
1,2-Dichloroethane	107-06-2	1,2-Dichloroethylene	540-59-0, 156-59-2, 156-60-5
1,1,1-Trichloroethane	71-55-6	Trichloroethylene	79-01-6
1,1,2-Trichloroethane	79-00-5	Tetra(per)chloroethylene	127-18-4



STANDARD
100

Other VOCs (volatile organic compounds) and glycols / その他の VOC (揮発性有機化合物) とグリコール類

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
Acetophenone	98-86-2	2-Methoxyethylacetate	110-49-6
Benzene	71-43-2	2-Methoxypropanol	1589-47-5
Bis(2-methoxyethyl)ether	111-96-6	2-Methoxypropylacetate	70657-70-4
Cyclohexanone	108-94-1	Methylethylketone	78-93-3
1,2-Diethoxyethane / 1,2-Diethoxyethan	629-14-1	Naphthalene	91-20-3
1,4-dioxane	123-91-1	2-Phenyl-2-propanol	617-94-7
2-Ethoxyethanol	110-80-5	Styrene	100-42-5
2-Ethoxyethylacetate	111-15-9	Toluene	108-88-3
Ethylbenzene	100-41-4	1,2,3-Trichloropropane	96-18-4
Ethylene glycol dimethyl ether	110-71-4	Triethylene glycol dimethyl ether	112-49-2
2-Methoxyethanol	109-86-4	Xylene	95-47-6, 108-38-3, 106-42-3, 1330-20-7 (mixture)

Cresols / クレゾール

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Name / 名称</u>	<u>CAS-Nr.</u>
o-Cresol	95-48-7	p-Cresol	106-44-5
m-Cresol	108-39-4		

N-Nitrosamines; N-nitrosatable substances

<u>Name / 名称</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
N-Nitrosodibenzylamine	5336-53-8	NDBzA
N-Nitrosodibutylamine	924-16-3	NDBA
N-Nitrosodiethanolamine	1116-54-7	NDELA
N-Nitrosodiethylamine	55-18-5	NDEA
N-Nitrosodiisobutylamine	997-95-5	NDiBA
N-Nitrosodiisononylamine	1207995-62-7	NDiNA
N-Nitrosodiisopropylamine	601-77-4	NDiPA
N-Nitrosodimethylamine	62-75-9	NDMA
N-Nitrosodipropylamine	621-64-7	NDPA
N-Nitrosomethylethylamine	10595-95-6	NMEA
N-Nitrosomorpholine	59-89-2	NMOR
N-Nitroso-N-ethyl-N-phenylamine	612-64-6	NEPhA
N-Nitroso-N-methyl-N-phenylamine	614-00-6	NMPPhA
N-Nitroso-piperidine	100-75-4	NPIP
N-Nitroso-pyrrolidine	930-55-2	NPYR



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100

Compilation of the individual substances for Annex 4 付属書 4 適用 個別物質リスト

PFAS, Per- and polyfluoroalkylsubstances / ペル/ポリ フッ素化アルキル化合物

Name / 名称

Perfluorooctane sulfonic acid and sulfonates / 全フッ化のオクタノ酸とスルホン酸
 Perfluorooctane sulfonamide
 Perfluorooctane sulfonyl fluoride / ペルフルオロオクタノスルフル

CAS-Nr.

1763-23-1, et. al.
 754-91-6
 307-35-7

Acronym

PFOS
 PFOSA
 PFOSF /
 POSF

N-Methyl perfluorooctane sulfonamide

31506-32-8

N-Me-FOSA

N-Ethyl perfluorooctane sulfonamide

4151-50-2

N-Et-FOSA

N-Methyl perfluorooctane sulfonamide ethanol

24448-09-7

N-Me-FOSE

N-Ethyl perfluorooctane sulfonamide ethanol

1691-99-2

N-Et-FOSE

Perfluoroheptanoic acid and salts

375-85-9, et. al.

PFHpA

Perfluorooctanoic acid and salts / ペルフルオロオクタノ酸と塩

335-67-1, et. al.

PFOA

Perfluorononanoic acid and salts

375-95-1, et. al.

PFNA

Perfluorodecanoic acid and salts / ペルフルオロデカン酸と塩

335-76-2, et. al.

PFDA

Henicosaflluoroundecanoic acid and salts

2058-94-8, et. al.

PFUDA

Tricosaflluorododecanoic acid and salts

307-55-1, et. al.

PFDoA

Pentacosaflluorotridecanoic acid and salts

72629-94-8, et. al.

PFTrDA

Heptacosaflluorotetradecanoic acid and salts

376-06-7, et. al.

PFTeDA

Others

Further Perfluorinated carboxylic acids / 他のペルフルオロカルボン酸

Perfluorobutanoic acid and salts / ペルフルオロブタン酸と塩

375-22-4, et. al.

PFBA

Perfluoropentanoic acid and salts

2706-90-3, et. al.

PFPeA

Perfluorohexanoic acid and salts

307-24-4, et. al.

PFHxA

Perfluoro(3,7-dimethyloctanoic acid) and salts

172155-07-6, et. al.

PF-3,7-
DMOA

Perfluorinated carboxylic and sulfonic acids under observation / 監視対象 ペルフルオロのカルボン酸とスルホン酸

2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides

various

Perfluorinated sulfonic acids

Perfluorobutane sulfonic acid and salts / ペルフルオロブタンスルホン酸と塩

375-73-5, 59933-66-3, et. al.

PFBS

Perfluorohexane sulfonic acid and salts / ペルフルオロヘキサンスルホン酸と塩

355-46-4, et. al.

PFHxS

Perfluoroheptane sulfonic acid and salts

375-92-8, et. al.

PFHpS

Henicosaflluorodecane sulfonic acid and salts

335-77-3, et. al.

PFDS

Partially fluorinated carboxylic / sulfonic acids / 部分フッ化カルボキシル酸/スルホン酸

7H-Perfluoro heptanoic acid and salts

1546-95-8, et. al.

7HPFHpA

2H,2H,3H,3H-Perfluoroundecanoic acid and salts

34598-33-9, et. al.

4HPFUnA

1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts

27619-97-2, et. al.

6:2 FTS

Partially fluorinated linear alcohols / 部分フッ化直鎖アルコール

1H,1H,2H,2H-Perfluoro-1-hexanol

2043-47-2

4:2 FTOH

1H,1H,2H,2H-Perfluoro-1-octanol

647-42-7

6:2 FTOH

1H,1H,2H,2H-Perfluoro-1-decanol

678-39-7

8:2 FTOH

1H,1H,2H,2H-Perfluoro-1-dodecanol

865-86-1

10:2 FTOH

Esters of fluorinated alcohols with acrylic acid / アクリル酸フッ化アルコールのエステル類

1H,1H,2H,2H-Perfluorooctyl acrylate

17527-29-6

6:2 FTA

1H,1H,2H,2H-Perfluorodecyl acrylate

27905-45-9

8:2 FTA

1H,1H,2H,2H-Perfluorododecyl acrylate

17741-60-5

10:2 FTA

PFOA related Substances / PFOA 関連物質

1H,1H,2H,2H-Perfluorodecyl acrylate

27905-45-9

8:2 FTA

1H,1H,2H,2H-Perfluoro-1-decanol

678-39-7

8:2 FTOH

1H,1H,2H,2H-Perfluorodecanesulphonic acid and its salts

39108-34-4, et. al.

8:2 FTS



STANDARD
100

Heavy Metals / 重金属

Name / 名称

Sb (Antimony)

As (Arsenic)

Pb (Lead)

Cd (Cadmium)

Cr (Chromium)

Co (Cobalt)

CAS-Nr.

7440-36-0, et. Cu (Copper)

al.

7440-38-2, et. Ni (Nickel)

al.

7439-92-1, et. Hg (Mercury)

al.

7440-43-9, et. Ba (Barium)

al.

7440-47-3, et. Se (Selenium)

al.

7440-48-4, et.

al.

CAS-Nr.

7440-50-8, et.

al.

7440-02-0, et.

al.

7439-97-6, et.

al.

7440-39-3, et.

al.

7782-49-2, et.

al.