



STANDARD 100

4 Annex

부록

Limit values table

제한 수치 표

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.

실험실에서 측정된 값(mg/kg, µg/m 또는 w-%측정)은 인증서를 획득하기 위해 지정된 한계보다 낮아야 합니다.

Limit values and fastness

한계값 및 견뢰도

The testing procedures are described in a separate document

시험절차는 별도의 서류에 명시됩니다

Product Class / 제품 등급	I Baby / 유아	II in direct contact with skin / 피부와 직접적인 접촉	III with no direct contact with skin / 피부와 직접적인 접 촉이 없음	IV Decoration material / 장식 재 료
pH value / pH 값¹				
	4.0 - 7.5	4.0 - 7.5	4.0 - 9.0	4.0 - 9.0
Formaldehyde, free and partially releasable / 포름알데히드, 없거나, 일부 방출 [mg/kg]				
Law 112 / 법 112	n.d. ²	75	150	300
Extractable (heavy) metals / 용출 (중)금속 [mg/kg]				
As (Arsenic / 비소)	0.2	1.0	1.0	1.0
Ba (Barium / 바륨)	1000	1000	1000	1000
Cd (Cadmium / 카드뮴)	0.1	0.1	0.1	0.1
Co (Cobalt / 코발트)	1.0	4.0	4.0	4.0
Cr (VI) (Chromium (VI) / 크롬 6가)	0.5	0.5	0.5	0.5
Cr (Chromium / 크롬)	1.0	2.0	2.0	2.0
Cu (Copper / 구리)	25.0 ⁴	50.0 ⁴	50.0 ⁴	50.0 ⁴
Hg (Mercury / 수은)	0.02	0.02	0.02	0.02
Ni (Nickel / 니켈) ⁵	1.0 ⁶	4.0 ⁷	4.0 ⁷	4.0 ⁷
Pb (Lead / 납)	0.2	1.0 ³	1.0 ³	1.0 ³
Sb (Antimony / 안티몬)	30.0	30.0	30.0	
Se (Selenium / 셀레늄)	100	100	100	100
Heavy metals total content / 중금속 총 함량 [mg/kg]				
As (Arsenic / 비소)	100	100	100	100
Cd (Cadmium / 카드뮴)	40.0	40.0 ³	40.0 ³	40.0 ³
Hg (Mercury / 수은)	0.5	0.5	0.5	0.5
Pb (Lead / 납)	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; Exception for wet wipes, the accepted pH range is from 3.5 to 7.5 / 추가 공정 중에 습식 처리되는 제품의 경우: 4.0 - 10.5, 폼: 4.0 - 9.0, 피부에 직접 접촉하지 않는 중탄산칼슘/탄산염 또는 탈크가 포함된 필름 재료 (예: 폴리올레핀 필름)의 경우: 4.0 - 10.0, 물티슈의 경우를 제외하고 허용 pH 범위는 3.5 - 7.5입니다.

² n.d. corresponds according to „Japanese Law 112“ test method with an absorbance unit less than 0.05 resp. 16 mg/kg / "일본 112 법"에 따라 흡광도가 0.05 resp. 16 mg/kg 미만이면 n.d가 부여됨

⁴ No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products / 생리 활성 제품 요구 사항을 고려하여 무기물질로 만들어진 장식류나 원사에는 요구되지 않음

⁵ Including the requirement by REACH-Regulation Annex XVII, Entry 27 / REACH-규정 Annex XVII, Entry 27의 요구 사항 포함

⁶ For metallic accessories and metallized surfaces: 0.5 mg/kg / 금속 장식류와 금속 표면 처리된 제품: 0.5 mg/kg

⁷ For metallic accessories and metallized surfaces: 1.0 mg/kg / 금속 장식류와 금속 표면 처리된 제품: 1.0 mg/kg

³ For accessories made from glass: 0.1% (1000 mg/kg) / 유리로 만든 액세서리 제품: 0.1% (1000 mg/kg)



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Pesticides / 살충제 [mg/kg] ^{8 9}				
Sum / 합계 ⁹	0.5	1.0	1.0	1.0
Glyphosate and salts for conventional cotton / 일반 면에 대한 글리 포세이트 및 염류	5	5	5	5
Glyphosate and salts for organic cotton / 유기농면에 대한 글리포 세이트 염류	0.5	1.0	1.0	1.0
Pesticides under observation / 관찰 중인 살충제 ⁹	u.o. / 관찰중 ¹⁰			

⁸ For natural fibres only / 천연섬유만

⁹ The individual substances are listed in Annex 5 / 개별 물질은 부록 5에 정리되어 있음

¹⁰ u.o. = under observation; substance is tested randomly and result provided for information purposes; presently not regulated / u.o.=관찰중; 물질이 무작위로 테
스트되며 정보 목적으로 결과가 제공됨; 현재 실제로 규제되지는 않음



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Chlorinated phenols / 염화페놀 [mg/kg] ⁹				
Pentachlorophenol (PCP)	0.05	0.5	0.5	0.5
Tetrachlorophenols (TeCP), Sum / 합계	0.05	0.5	0.5	0.5
Trichlorophenols (TrCP), Sum / 합계	0.2	2.0	2.0	2.0
Dichlorophenols (DCP), Sum / 합계	0.5	3.0	3.0	3.0
Monochlorophenols (MCP), Sum / 합계	0.5	3.0	3.0	3.0
Plasticizer/Phthalates [mg/kg] ¹¹				
Sum / 합계 ⁹	500	500	500	
Sum without DINP / DINP 를 제외한 합계 ⁹				1000
Organic tin compounds / 유기 주석 화합물 [mg/kg] ⁹				
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 / 기타 잔류 화학물질				
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol / 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol [mg/kg]	1000	1000	1000	1000
Melamine / 멜라민 [mg/kg] ³⁰	1000	1000	1000	1000
Carcinogenic Arylamines / 발암성 아릴아민계 [mg/kg] ^{9 12 13}	20	20	20	20
Arylamines under observation / 관찰 중인 아릴아민 ⁹	u.o. / 관찰중 ¹⁰			
Aniline / 아닐린 [mg/kg] ^{9 14}	20	50	50	50
Benzene / 벤젠 [mg/kg] ⁹	5.0	5.0	5.0	5.0
Bisphenol A / 비스페놀 A [mg/kg] ⁹	100	100	100	100
Bisphenol B / 비스페놀 B [mg/kg] ⁹	1000	1000	1000	1000
Bisphenol S / [mg/kg] ⁹	1000	1000	1000	1000
Diazene-1,2-dicarboxamide [mg/kg] ⁹	1000	1000	1000	1000
DMFu [mg/kg] ⁹	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] ⁹	10	25	25	25
Phenol / 페놀 [mg/kg] ⁹	20	50	50	50
Quinoline / 퀴놀린 [mg/kg] ⁹	50	50	50	50
Glutaraldehyde / 글루타르알데히드 [mg/kg] ⁹	1000	1000	1000	1000
TCEP [mg/kg] ⁹	10	10	10	10
Chemical residues under observation / 관찰 중인 화학 잔류물 ⁹	u.o. / 관찰중 ¹⁰			

⁹ The individual substances are listed in Annex 5 / 개별 물질은 부록 5에 정리되어 있음

¹¹ For coated articles, plastisol prints, flexible foams, and accessories made from plastics / 코팅된 제품, 플라스틱이질 프린트, 연질 폼, 플라스틱으로 만들어진 액세서리에 적용

³⁰ There is a transition period for foams. If the foam contains more than 1000 mg/kg melmine, this must be stated on the certificate. / 폼 제품은 계도 기간이 있습니다. 발포체에 1000mg/kg 이상의 멜라민이 포함된 경우 인증서에 이를 명시해야 합니다.

¹² For all materials containing polyurethane or other materials which may contain free carcinogenic arylamines / 폴리우레탄을 함유한 모든 물질 또는 무독성 아릴아민계를 포함하는 물질

¹³ The sum of cleavable carcinogenic arylamine and if possible also as chemical residue present free carcinogenic (same) arylamine has to be also 20 mg/kg / 분리 가능한 발암성 아릴아민과 아마도 화학 잔류물이 없는 발암성 (동일) 아릴아민의 합계도 20mg/kg 미만이어야 함

¹⁰ u.o. = under observation; substance is tested randomly and result provided for information purposes; presently not regulated / u.o.=관찰중; 물질이 무작위로 테스트되며 정보 목적으로 결과가 제공됨; 현재 실제로 규제되지는 않음

¹⁴ The sum of cleavable aniline and if possible also as chemical residue present free aniline has to be also 20 mg/kg (product class I) resp. 50 mg/kg (product classes II till IV) / 분리 가능한 아닐린과 가능한 경우 아닐린 성분이 없는 화학 잔류를 합계도 20 mg/kg 미만(제품 등급 I), 50 mg/kg (제품 등급 II-IV까지)이어야 함



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Colourants / 착색제 [mg/kg]				
Cleavable carcinogenic arylamines / 분리가능 발암성 아릴아민계 ^{9 13}	20	20	20	20
Cleavable arylamines under observation / 관찰 중인 분리 가능 아릴아민 ^{9 13}	u.o. / 관찰중 ¹⁰			
Cleavable Aniline / 분리가능 아닐린 ^{9 14}	20	50	50	50
Carcinogens / 발암물질 ⁹	50	50	50	50
Colourants with ≥ 0.1% Michler's Ketone/Base / 착색제 < 0.1% Michler's Ketone/계열 ⁹	1000	1000	1000	1000
Allergens / 알레젠 ⁹	50	50	50	50
Others / 기타 ⁹	50	50	50	50
Navy Blue / 네이비 블루 ⁹	not used / 사용금지			

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¹³ The sum of cleavable carcinogenic arylamine and if possible also as chemical residue present free carcinogenic (same) arylamine has to be also 20 mg/kg / 분리 가능한 발암성 아릴아민과 아마도 화학 잔류물이 없는 발암성 (동일) 아릴아민의 합계도 20mg/kg 미만이어야 함

¹⁰ u.o. = under observation; substance is tested randomly and result provided for information purposes; presently not regulated / u.o.=관찰중; 물질이 무작위로 테스트되며 정보 목적으로 결과가 제공됨; 현재 실제로 규제되지는 않음

¹⁴ The sum of cleavable aniline and if possible also as chemical residue present free aniline has to be also 20 mg/kg (product class I) resp. 50 mg/kg (product classes II till IV) / 분리 가능한 아닐린과 가능한 경우 아닐린 성분이 없는 화학 잔류물 합계도 20 mg/kg 미만(제품 등급 I), 50 mg/kg (제품 등급 II-IV까지)이어야 함



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Chlorinated benzenes and toluenes / 염화벤젠 및 톨루엔 [mg/kg] ⁹				
Sum / 합계	1.0	1.0	1.0	1.0
Polycyclic aromatic hydrocarbons (PAHs) / 다환방향족탄화수소(PAHs) [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[j]fluoranthene	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 / 합계 24 PAHs ⁹	5.0	10.0	10.0	10.0
Biological active products / 생리 활성 제품				
	no intentional use / 의도적인 사용이 아님 ¹⁶			
Flame retardant products / 난연 제품				
General / 일반	no intentional use / 의도적인 사용이 아님 10 mg/kg; each / 각각 / SCCP와 MCCP의 합계 ^{16 17} Sum of all / 전체 합계 50 mg/kg			
Solvent residues / 잔류 솔벤트 [mg/kg] ^{9 18}				
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 / 폼아미드	200	200	200	200
NMP / NMP ¹⁹	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰	500 1000 ²⁰
Surfactant, wetting agent residues, alkyl phenols / 잔류 계면활성제, 습윤제 [mg/kg] ⁹				
BP, NP, OP, HpP, PeP, NP(EO), OP(EO); (Sum / 합계)	100.0	100.0	100.0	100.0
BP, NP, OP, HpP, PeP (Sum / 합계)	10.0	10.0	10.0	10.0

⁹ The individual substances are listed in Annex 5 / 개별 물질은 부록 5에 정리되어 있음

¹⁵ For all synthetic fibres, yarns, or threads and for plastic materials / 모든 인조 섬유, 원사 또는 재봉사와 플라스틱 재료에 적용

¹⁶ With exception of treatments accepted by OEKO-TEX® (see actual list on <http://www.oeko-tex.com>) / OEKO TEX® 허용하는 처리 방법 이외에도 (예외 목록은 <http://www.oeko-tex.com> 참조)

¹⁷ Accepted flame retardant products do not contain any of the banned flame retardant substances listed in Annex 5 as active agent / 허용되는 난연제품에는 부록 5에 활성제로 기재된 금지된 난연 물질이 함유되어 있지 않음

¹⁸ For fibre, yarns, fabrics and coated articles (e.g. artificial leather) as well as foams (EVA, PVC), where solvents are used during production / 생산 공정 중 용제가 사용된 섬유, 원사, 원단 그리고 코팅된 제품(예: 인조가죽) 또는 폼(EVA, PVC)에 적용

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 % / 이후의 산업 생산 단계를 반드시 거쳐야 하는 제품은 제외 (습식 또는 건조 단계에서의 열처리 또는 다른 공정도 가능): 최대허용수치 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. / 아크릴(PAN), 엘라스테인(EL) / 폴리우레탄, 폴리이미드, 아라미드 및 코팅(PU-, PVC-, PVC-플라스티솔-, PVDC-, PVC-공중합체)된 섬유.



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PFC/PFAS, Per- and polyfluorinated compounds/Per- and polyfluoroalkylsubstances / Per- and polyfluorinated compounds/Per- and polyfluoroalkylsubstances ^{9 21}				
PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE; sum / 합계 [µg/m ²]	1	1	1	1
PFHpA, PFNA, PFDA, PFUDA, PFDaA, PFTDA, PFTeDA Further perfluorinated carboxylic acids sum; according to Annex 5 / 합계; 부록 5에 해당됨 [µg/kg]	25	25	25	25
Perfluorinated sulfonic acids, sum; according to Annex 5 / 합계; 부록 5에 해당됨 [µg/kg]	50	250	250	250
Partially fluorinated carboxylic / sulfonic acids, sum; according to Annex 5 / 합계; 부록 5에 해당됨 [µg/kg]	50	250	250	250
Partially fluorinated carboxylic / sulfonic acids, under observation / 관찰 중	u.o. / 관찰 중 ¹⁰			
Partially fluorinated linear alcohols, sum; according to Annex 5 / 합계; 부록 5에 해당됨 [µg/kg]	250	250	250	250
Esters of fluorinated alcohols with acrylic acid, sum; according to Annex 5 / 합계; 부록 5에 해당됨 [µg/kg]	250	250	250	250
PFOA and salts Sum / 및 염류 합계 [µg/kg]	25	25	25	25
PFOA related Substances Sum / 기타 PFOA와 관련된 물질 [µg/kg] ²²	250	250	250	250
Organic fluorine content /				
Extractable organic fluorine (EOF) / [mg/kg] ³¹	10	10	10	10
UV stabilizers / UV 안정제 [mg/kg] ⁹				
UV 320	1000	1000	1000	1000
UV 327	1000	1000	1000	1000
UV 328	1000	1000	1000	1000
UV 350	1000	1000	1000	1000
Chlorinated paraffins / 염화파라핀 ⁹				
Sum of SCCP and MCCP / SCCP 및 MCCP의 합계 [mg/kg]	50	50	50	50
Siloxanes / 실록산 [mg/kg] ⁹				
Octamethylcyclotetrasiloxane (D4)	1000	1000	1000	1000
Decamethylcyclopentasiloxane (D5)	1000	1000	1000	1000
Dodecamethylcyclohexasiloxane (D6)	1000	1000	1000	1000
N-Nitrosamines / N-나이트로사민; each / 각각 [mg/kg] ⁹				
N-nitrosatable substances / N-나이트로사이트된 물질; Sum / 합계 [mg/kg]	5	5	5	5

⁹ The individual substances are listed in Annex 5 / 개별 물질은 부록 5에 정리되어 있음

²¹ For all materials with a water, soil or oil repellent finish or coating / 물, 오염 또는 오일 방지 가공 또는 코팅이 된 모든 물질에 해당

¹⁰ u.o. = under observation; substance is tested randomly and result provided for information purposes; presently not regulated / u.o.=관찰중; 물질이 무작위로 테스트되며 정보 목적으로 결과가 제공됨; 현재 실제로 규제되지는 않음

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. / 구조적 요소로서 화학식 C8F17-을 갖는 선형 또는 가지 perfluorooctyl로 파생되는 모든 물질, 염류 포함, 화학식 C8F17-X에서 파생되는 X = F, Cl, Br 또는 C8F17-SO2X', C8F17-C (=O) OH 또는 C8F17-CF2-X'는 제외 (X'=염류를 포함한 모든 그룹)

³¹ The transition period for product classes II to IV ends on the 01.01.2024, there is no transition period for product class I. / 제품 등급 II에서 IV로의 계도 기간은 01.01.2024에 종료되며 제품 등급 I의 계도 기간은 없음.



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Limit values and fastness

한계값 및 견뢰도

The testing procedures are described in a separate document

시험절차는 별도의 서류에 명시됩니다

Product Class / 제품 등급	I Baby / 유아	II in direct contact with skin / 피부와 직접적인 접촉	III with no direct contact with skin / 피부와 직접적인 접 촉이 없음	IV Decoration material / 장식 재 료
Colour fastness (staining) / 견뢰도(얼룩)				
To water / 물	3 - 4	3	3	3
To acidic perspiration / 산성 땀 응액	3 - 4	3 - 4	3 - 4	3 - 4
To alkaline perspiration / 알칼리성 땀 응액	3 - 4	3 - 4	3 - 4	3 - 4
To rubbing, dry / 마찰 견뢰도 ^{23 24}	4	4	4	4
To saliva and perspiration / 침과 땀 견뢰도	fast / 견고			
Emission of volatiles / 휘발성 방출 [mg/m³] ²⁵				
Formaldehyde / 포름알데히드 [50-00-0]	0.1	0.1	0.1	0.1
Toluene / 톨루엔 [108-88-3]	0.1	0.1	0.1	0.1
Styrene / 스티렌 [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 / 4-Phenylcyclohexene [4994-16-5]	0.03	0.03	0.03	0.03
Butadiene / 부타디엔 [106-99-0]	0.002	0.002	0.002	0.002
Vinylchloride / 염화비닐 [75-01-4]	0.002	0.002	0.002	0.002
Aromatic hydrocarbons / 방향족 탄화수소	0.3	0.3	0.3	0.3
Organic volatiles / 방향족 유기물	0.5	0.5	0.5	0.5
Organic cotton fibres and materials / 유기농 면 섬유 및 원재료 ²⁶				
GMO Genetically modified organisms / GMO 유전자 변형 유기체	No intentional use /	No intentional use /	No intentional use /	No intentional use /
GMO quantitative analysis /	10%	10%	10%	10%
Determination of odours /취기 시험				
General / 일반	no abnormal odour / 비정상 악취 ²⁷			
SNV 195 651 (Modified / 개정) ²⁵	3	3	3	3
Banned fibres / 금지 섬유				
Asbestos / 석면	not used / 사용금지			

²³ No requirements for 'wash-out' - articles / '워시아웃' 제품엔 해당하지 않음

²⁴ For pigment, vat or sulphurous colourants a minimum grade of colour fastness to rubbing of 3 (dry) is acceptable / 안료, 건염, 황화 염료는 (건) 마찰 견뢰도 3등급 까지 허용

²⁵ For textile carpets, mattresses as well as foams and large coated articles not being used for clothing / 의복에 사용되지 않는 직물 카펫, 매트리스나 폼 또는 코팅 면적이 넓은 제품에 해당

²⁶ Refer also to item 5.5. of this standard / 본 표준의 5.5 항목 참조

²⁷ No odour from mould, high boiling fraction of petrol, fish, aromatic hydrocarbons or perfume / 곰팡이, 비등점이 높은 석유 화학제품, 생선, 방향족탄화수소 또는 향수 등의 악취는 허용되지 않음



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5 Annex

부록

Compilation of the individual substances for Annex 4 부록 4에 대한 개별 물질의 편집

Pesticides / 살충제

Name / 이름	CAS-Nr.	Name / 이름	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- / Hexachlorocyclohexane, α-	319-84-6
Bromophos-ethyl	4824-78-6	Hexachlorocyclohexane, β- / Hexachlorocyclohexane, β-	319-85-7
Captafol	2425-06-1	Hexachlorocyclohexane, δ- / Hexachlorocyclohexane, δ-	319-86-8
Carbaryl	63-25-2	Imidacloprid	105827-78-9, 138261-41-3
Carbendazim / 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 / 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 / Dichlorophene	97-23-4	Phosphamidon	13171-21-6
Dichlorprop	120-36-5	Propethamphos	31218-83-4
Dicofol / Dicofol	115-32-2	Profenophos	41198-08-7
Dicrotophos	141-66-2	Silafluofen / 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 / DTTB	63405-99-2	Thiamethoxam	153719-23-4
Endosulfan	115-29-7	Tolyfluamide / Tolyfluamide	731-27-1
Endosulfan, α-	959-98-8	Toxaphene	8001-35-2
Endosulfan, β-	33213-65-9	Trifluralin	1582-09-8

Pesticides under observation / 관찰 중인 살충제

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

Glyphosate and salts / 글리포세이트 및 염류

Name / 이름	CAS-Nr.
e.g. Isopropylammonium- salt, potassium salt, ammonium salt / 예시 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 / 염화페놀

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Name / 이름</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		



Compilation of the individual substances for Annex 4 부록 4에 대한 개별 물질의 편집

Plasticizer/Phthalates / Plasticizer/Phthalates

<u>Name / 이름</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 / 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	DHNUF
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 / Di-isodecylphthalate	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 / 유기 주석 화합물

<u>Name / 이름</u>	<u>Acronym</u>	<u>Name / 이름</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	Tetraocetyl tin	TeOT
Monophenyltin	MPhT	Tripropyltin	TPT

Arylamines having carcinogenic properties, cleavable arylamines / 발암성 물질 함유 아릴아민계, 분리 가능한 아릴아민계

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Name / 이름</u>	<u>CAS-Nr.</u>
MAK III, category 1			
4-Aminobiphenyl	92-67-1	4-Chloro-o-toluidine	95-69-2
Benzidine	92-87-5	2-Naphthylamine	91-59-8
MAK III, category 2			
o-Aminoazotoluene	97-56-3	4,4'-Methylene-bis-(2-chloroaniline) / 4,4'-Methylene-bis-(2-chloroaniline)	101-14-4
2-Amino-4-nitrotoluene	99-55-8	4,4'-Oxydianiline	101-80-4
4-Chloroaniline	106-47-8	4,4'-Thiodianiline	139-65-1
2,4-Diaminoanisole	615-05-4	o-Toluidine	95-53-4
4,4'-Diaminodiphenylmethane / 4,4'-Diaminobiphenylmethane	101-77-9	2,4-Toluylenediamine / 2,4-Toluylendiamine	95-80-7
3,3'-Dichlorobenzidine / 3,3'-Dichlorobenzidine	91-94-1	2,4,5-Trimethylaniline	137-17-7
3,3'-Dimethoxybenzidine	119-90-4	o-Anisidine (2-Methoxyaniline)	90-04-0
3,3'-Dimethylbenzidine	119-93-7	4-Aminoazobenzene	60-09-3
4,4'-Methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminobiphenylmethane	838-88-0	2,4-Xylidine	95-68-1
p-Cresidine (6-Methoxy-m-toluidine) / p-Cresidine	120-71-8	2,6-Xylidine	87-62-7

Other Arylamines, cleavable arylamines; amine salts / 기타 아릴아민계, 분리 가능한 아릴아민계: 아민염류

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Name / 이름</u>	<u>CAS-Nr.</u>
Aniline	62-53-3	2,5-Diaminotoluene / 2-methyl-p-phenylenediamine / 2,5-Diaminotoluene / 2-methyl-p-phenylenediamine	95-70-5
4-Chloro-o-toluidinium chloride	3165-93-3	4-Ethoxyaniline / p-phenetidine	156-43-4
2,4-Diaminoanisole sulphate	39156-41-7	2-Naphthylammoniumacetate	553-00-4
3,3-Diaminobenzidin / 3,3-Diaminobenzidin	91-95-2	2,4,5-Trimethylaniline hydrochloride	21436-97-5



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Compilation of the individual substances for Annex 4 부록 4에 대한 개별 물질의 편집

Arylamines under observation / 관찰 중인 아릴아민

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

Dyestuffs and pigments classified as carcinogenic / 발암성 염료 및 안료

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

Colourants with ≥ 0.1% Michler's Ketone/Base / 착색제 < 0.1% Michler's Ketone/계열

4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1
C.I. Solvent Blue 4	6786-83-0

Dyestuffs classified as allergenic / 알레르기 유발 염료

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
C.I. Disperse Blue 106		69766-79-6
C.I. Disperse Blue 124		12223-01-7
		68516-81-4
		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 부록 4에 대한 개별 물질의 편집

Other banned dyestuffs / 기타 금지된 염료

<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)		

Chlorinated benzenes and toluenes / 염화벤젠류와 톨루엔류

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Name / 이름</u>	<u>CAS-Nr.</u>
<u>Chlorobenzenes / 클로로벤젠</u>		<u>Chlorobenzenes / 클로로벤젠</u>	
Chlorobenzene	108-90-7	Dichlorobenzenes	25321-22-6
1,2-Dichlorobenzene / 1,2-Dichlorobenzene	95-50-1	1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene / 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</u>		<u>Chlorotoluenes</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 (PAHs) / 다환방향족탄화수소(PAHs)

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Name / 이름</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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Forbidden flame retardant substances / 금지된 난연 물질

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] / 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	
2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0	BBMP
Barium diboron tetraoxide / 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 / Bis(2-ethylhexyl) tetrabromophthalate, 개별 이성질체 및/또는 이들의 조합	Various	
Boric acid	10043-35-3, 11113-50-1	
Decabromobiphenyl	13654-09-6	DecaBB
Decabromodiphenylether	1163-19-5	DecaBDE
Diboron trioxide	1303-86-2	
Dibromobiphenyls	various	DiBB
Dibromodiphenylethers	various	DiBDEs
Disodium octaborate	12008-41-2	
Disodium tetraborate / Disodium tetraborate	1303-96-4, 1330-43-4, 12179-04-3	
Heptabromobiphenyls	various	HeptaBB
Heptabromodiphenylethers	various, 68928-80-3	HeptaBDEs
Hexabromobiphenyls	various	HexaBB
Hexabromocyclododecane and all main diastereomers 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	MonoBB
Monobromodiphenylethers	various	MonoBDEs
Nonabromobiphenyls	various	NonaBB
Nonabromodiphenylethers	various, 63936-56-1	NonaBDEs
Octabromobiphenyls	various	OctaBB
Octabromodiphenylethers	various, 32536-52-0	OctaBDEs
Pentabromobiphenyls	various	PentaBB
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	TetraBB
Tetrabromobisphenol A	79-94-7	TBBPA
Tetrabromodiphenylethers	various, 40088-47-9	TetraBDEs
Tri(2,3-dibromopropyl)phosphate / Tri(2,3-dibromopropyl)-phosphate	126-72-7	TRIS
Tribromobiphenyls	various	TriBB
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 / 붕산아연 염류	1332-07-6, 12767-90-7	

Solvent residues / 잔류 솔벤트

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
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 / 잔류 계면 활성제, 습윤제

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
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



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Other chemical residues / 기타 잔류 화학물질

Name / 이름	CAS-Nr.	Acronym
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol / 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	
Bisphenol S (4,4'-Sulfonyldiphenol) / Bisphenol S (4,4'-Sulfonyldiphenol)	80-09-1	
Melamine / 멜라민	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
Diazene-1,2-dicarboxamide	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	
Glutaraldehyde	111-30-8	
Tris(4-nonylphenyl, branched and linear)phosphite with 0.1% w/w of 4-nonylphenol, branched and linear / Tris(4-nonylphenyl, 가지 및 선형)phosphite with 0.1% w/w of 4-nonylphenol, 가지 및 선형	various	TNPP

Chemical residues under observation / 관찰 중인 화학 잔류물

Name / 이름	CAS-Nr.	Name / 이름	CAS-Nr.
1,2-Diethoxyethane	629-14-1	2-Methoxypropanol	1589-47-5
N-ethyl-2-pyrrolidone/NEP / 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 / UV 안정제

Name / 이름	CAS-Nr.	Acronym
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 / 염화 파라핀

Name / 이름	CAS-Nr.	Acronym
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 / 실록산

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

N-Nitrosamines; N-nitrosatable substances / N-나이트로사민; N-나이트로사이트된 물질

Name / 이름	CAS-Nr.	Acronym
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	NMPhA
N-Nitroso-piperidine	100-75-4	NPIP
N-Nitroso-pyrrolidine	930-55-2	NPYR



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PFC/PFAS, Per- and polyfluorinated compounds/Per- and polyfluoroalkylsubstances / PFCs, 과불화탄소

<u>Name / 이름</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
Perfluorooctane sulfonic acid and sulfonates	1763-23-1, et. al.	PFOS
Perfluorooctane sulfonamide	754-91-6	PFOSA
Perfluorooctane sulfonyl fluoride	307-35-7	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 / Perfluoroheptanoic acid and salts	375-85-9, et. al.	PFHpA
Perfluorooctanoic acid and salts / Perfluorooctanoic acid and salts	335-67-1, et. al.	PFOA
Perfluorononanoic acid and salts / Perfluorononanoic acid and salts	375-95-1, et. al.	PFNA
Perfluorodecanoic acid and salts / Perfluorodecanoic acid and salts	335-76-2, et. al.	PFDA
Henicosafluoroundecanoic acid and salts / Henicosafluoroundecanoic acid and salts	2058-94-8, et. al.	PFUDA
Tricosafluorododecanoic acid and salts / Tricosafluorododecanoic acid and salts	307-55-1, et. al.	PFDoA
Pentacosafluorotridecanoic acid and salts / Pentacosafluorotridecanoic acid and salts	72629-94-8, et. al.	PFTTrDA
Heptacosafluorotetradecanoic acid and salts / Heptacosafluorotetradecanoic acid and salts	376-06-7, et. al.	PFTeDA
<u>Others / 기타</u>		
<u>Further Perfluorinated carboxylic acids / 추가 과불화 카르복시산</u>		
Perfluorobutanoic acid and salts / Perfluorobutanoic acid and salts	375-22-4, et. al.	PFBA
Perfluoropentanoic acid and salts / Perfluoropentanoic acid and salts	2706-90-3, et. al.	PFPeA
Perfluorohexanoic acid and salts / Perfluorohexanoic acid and salts	307-24-4, et. al.	PFHxA
Perfluoro(3,7-dimethyloctanoic acid) and salts / Perfluoro(3,7-dimethyloctanoic acid) and salts	172155-07-6, et. al.	PF-3,7-DMOA
<u>Perfluorinated carboxylic and sulfonic acids under observation / 관찰 중인 불소계 카르복실 및 술폰산</u>		
2,3,3,3-tetrafluoro-2-(heptafluoro propoxy)propionic acid, its salts and its acyl halides	various	
<u>Perfluorinated sulfonic acids / 불소계 술폰산</u>		
Perfluorobutane sulfonic acid and salts / Perfluorobutane sulfonic acid and salts	375-73-5, 59933-66-3, et. al.	PFBS
Perfluorohexane sulfonic acid and salts	355-46-4, et. al.	PFHxS
Perfluoroheptane sulfonic acid and salts	375-92-8, et. al.	PFHpS
Henicosafluorodecane sulfonic acid and salts	335-77-3, et. al.	PFDS
<u>Partially fluorinated carboxylic / sulfonic acids / 부분 과불화 카르복시 / 술폰산</u>		
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 / 1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts	27619-97-2, et. al.	6:2 FTS
<u>Partially fluorinated linear alcohols / 부분 과불화 사슬형 알코올</u>		
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
<u>Esters of fluorinated alcohols with acrylic acid / 불소화 알코올 및 아크릴산의 에스테르</u>		
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
<u>PFOA related Substances /</u>		
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



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Heavy Metals / 중금속

Name / 이름

Sb (Antimony / 안티몬)

As (Arsenic / 비소)

Pb (Lead / 납)

Cd (Cadmium / 카드뮴)

Cr (Chromium / 크롬)

Co (Cobalt / 코발트)

CAS-Nr.

7440-36-0, et. al.

7440-38-2, et. al.

7439-92-1, et. al.

7440-43-9, et. al.

7440-47-3, et. al.

7440-48-4, et. al.

Name / 이름

Cu (Copper / 구리)

Ni (Nickel / 니켈)

Hg (Mercury / 수은)

Ba (Barium / 바륨)

Se (Selenium / 셀레늄)

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.