

附录 / Appendix 4

限量值和色牢度, 第一部分 / Limit values and fastness, part 1

(测试方法描述于其他文件 / The testing procedures are described in a separate document)

产品级别 / Product Class	I 婴儿 / Baby	II 直接接触皮肤 / in direct contact with skin	III 不直接接触皮肤 / with no direct contact with skin	IV 装饰材料 / Decoration material
酸碱值 / pH value ¹	4.0 - 7.5	4.0 - 7.5	4.0 - 9.0	4.0 - 9.0
甲醛 / Formaldehyde [mg/kg]				
112 法 / Law 112	n.d. ²	75	300	300
可萃取的重金属 / Extractable heavy-metals [mg/kg]				
Sb (锑 / Antimony)	30.0	30.0	30.0	
As (砷 / Arsenic)	0.2	1.0	1.0	1.0
Pb (铅 / Lead)	0.2	1.0 ³	1.0 ³	1.0 ³
Cd (镉 / Cadmium)	0.1	0.1	0.1	0.1
Cr (铬 / Chromium)	1.0	2.0	2.0	2.0 ⁴
Cr(VI) 铬 (六价)	检测限值以下 / under detection limit ⁵			
Co (钴 / Cobalt)	1.0	4.0	4.0	4.0
Cu (铜 / Copper)	25.0 ⁶	50.0 ⁶	50.0 ⁶	50.0 ⁶
Ni (镍 / Nickel) ⁷	1.0 ⁸	4.0 ⁹	4.0 ⁹	4.0 ⁹
Hg (汞 / Mercury)	0.02	0.02	0.02	0.02
被消解样品中的重金属 / Heavy metals in digested sample [mg/kg] ¹⁰				
Pb (铅 / Lead)	90.0	90.0 ³	90.0 ³	90.0 ³
Cd (镉 / Cadmium)	40.0	40.0 ³	40.0 ³	40.0 ³
杀虫剂 / Pesticides [mg/kg] ^{11,12}				
总计 / Sum ¹²	0.5	1.0	1.0	1.0
氯化苯酚 / Chlorinated phenols [mg/kg] ¹²				
Pentachlorophenol (PCP) 五氯苯酚	0.05	0.5	0.5	0.5
Tetrachlorophenols (TeCP), 总计 / Sum	0.05	0.5	0.5	0.5
Trichlorophenols (TrCP), 总计 / Sum	0.2	2.0	2.0	2.0
Dichlorophenols (DCP), 总计 / Sum	0.5	3.0	3.0	3.0
Monochlorophenols (MCP), 总计 / Sum	0.5	3.0	3.0	3.0
邻苯二甲酸酯 / Phthalates [w-%] ¹³				
总计 / Sum ¹²	0.1	0.1	0.1	
不含 DINP 总和 / Sum without DINP ¹²				0.1

¹ 例外的情况：后续加工必需经过湿处理的产品：4.0-10.5；海绵制品：4.0-9.0；第 IV 级别带有涂层或层压的皮革制品：3.5-9.0 / Exceptions for products which must be treated wet during the further processing: 4.0 - 10.5; for foams: 4.0 - 9.0; for leather products in product class IV (coated or laminated): 3.5 - 9.0

² 此处不得检出 (n.d.) 是指使用「日本 112 法」中规定的吸收测试法应小于 0.05 吸收率单位，即应少于 16mg/kg / n.d. corresponds according to „Japanese Law 112“ test method with an absorbance unit less than 0.05 resp. <16 mg/kg

³ 对于用玻璃制成的辅料无此要求 / No requirement for accessories made from glass

⁴ 对于皮革类产品 10.0 mg/kg / For leather articles 10.0 mg/kg

⁵ 定量限值：六价铬 Cr(VI) 0.5 mg/kg，皮革中六价铬 Cr(VI) 3.0mg/kg，禁用的芳香胺 20mg/kg，禁用的染料 50mg/kg / Quantification limits: for Cr(VI) 0.5 mg/kg, for Cr(VI) in leather 3.0 mg/kg, for arylamines 20 mg/kg, for dyestuffs 50 mg/kg

⁶ 对于无机材料制成的辅料无此要求 / No requirement for accessories made from inorganic materials

⁷ 包含了 EC-Regulation 1907/2006 中对该项目的要求 / Including the requirement by EC-Regulation 1907/2006

⁸ 只适用于金属附件及经金属处理之表面：0.5 mg/kg / For metallic accessories and metallized surfaces: 0.5 mg/kg

⁹ 只适用于金属附件及经金属处理之表面：1.0 mg/kg / For metallic accessories and metallized surfaces: 1.0 mg/kg

¹⁰ 针对所有非纺织辅料和组成部分,以及在纺丝时加入着色剂生产的有色纤维和含有涂料的产品 / Applicable to all non textile accessories and components as well as for spun dyed fibres and articles containing pigments

¹¹ 仅适用于天然纤维 / For natural fibres only

¹² 具体物质列在附录中 / The individual substances are listed in Appendix 5

¹³ 适用于涂层产品、塑料溶胶印花、柔软海绵和塑料附件 / For coated articles, plastisol prints, flexible foams, and accessories made from plastics

限量值和色牢度, 第二部分 / Limit values and fastness, part 2

(测试方法描述于其他文件 / The testing procedures are described in a separate document)

产品级别 / Product Class	I 婴儿 / Baby	II 直接接触皮肤 / in direct contact with skin	III 不直接接触皮肤 / with no direct contact with skin	IV 装饰材料 / Decoration material
有机锡化合物 / Organic tin compounds [mg/kg] ¹²				
TBT, TPhT	0.5	1.0	1.0	1.0
DBT, DMT, DOT, DPT, MBT, MOT, MT, TeBT, TCyHT, TMT, TOT, TPT	1.0	2.0	2.0	2.0
其他残余化学物 / Other chemical residues				
OPP 邻苯基苯酚 [mg/kg] ¹²	50.0	100.0	100.0	100.0
芳香胺 / Arylamines [mg/kg] ^{12,14}	没有 / none ⁵			
SCCP 短链氯化石蜡 [w-%] ¹²	0.1	0.1	0.1	0.1
TCEP 三(2-氯乙基)磷酸酯 [w-%] ¹²	0.1	0.1	0.1	0.1
DMFu [mg/kg] ¹²	0.1	0.1	0.1	0.1
染料 / Colorants				
可分解芳香胺类 / Cleavable arylamines ¹²	不得使用 / not used ⁵			
致癌物 / Carcinogens ¹²	不得使用 / not used			
致敏物 / Allergens ¹²	不得使用 / not used ⁵			
其他 / Others ¹²	不得使用 / not used ⁵			
氯化苯和氯化甲苯 / Chlorinated benzenes and toluenes [mg/kg] ¹²				
总计 / Sum	1.0	1.0	1.0	1.0
多环芳烃 / Polycyclic aromatic hydrocarbons (PAH) [mg/kg] ¹⁵				
苯并[a]芘 / Benzo[a]pyrene	0.5	1.0	1.0	1.0
苯并[e]芘 / Benzo[e]pyrene	0.5	1.0	1.0	1.0
Benzo[a]anthracene	0.5	1.0	1.0	1.0
Chrysene	0.5	1.0	1.0	1.0
Benzo[b]fluoranthene	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
Dibenzo[a,h]anthracene	0.5	1.0	1.0	1.0
总计 / Sum ¹²	5.0	10.0	10.0	10.0
生物活性产品 / Biological active products				
	没有 / none ¹⁶			
阻燃产品 / Flame retardant products				
总体 / General	没有 / none ^{16,17}			

¹⁴ 适用于所有含有聚氨酯的材料或其他可能含有游离致癌芳香胺的材料 / For all materials containing polyurethane or other materials which may contain free carcinogenic arylamines

¹⁵ 适用于合成纤维、纱线或缝纫线以及塑胶材料 / For all synthetic fibres, yarns, or threads and for plastic materials

¹⁶ 除了被 Oeko-Tex® 所接受的处理方法(详见 <http://www.oeko-tex.com> 网站发布的现行有效目录) / With exception of treatments accepted by Oeko-Tex® (see actual list on <http://www.oeko-tex.com>)

¹⁷ 接受不含有附录 5 中所列禁用阻燃物质的阻燃产品 / Accepted flame retardant products do not contain any of the banned flame retardant substances listed in Appendix 5 as active agent.

限量值和色牢度，第三部分 / Limit values and fastness, part 3

(测试方法描述于其他文件 / The testing procedures are described in a separate document)

产品级别 / Product Class	I 婴儿 / Baby	II 直接接触皮肤 / in direct contact with skin	III 不直接接触皮肤 / with no direct contact with skin	IV 装饰材料 / Decoration material
残余溶剂 / Solvent residues [w-%]^{18,19}				
NMP	0.1	0.1	0.1	0.1
DMAc	0.1	0.1	0.1	0.1
DMF	0.1	0.1	0.1	0.1
Formamide	0.02	0.02	0.02	0.02
残余表面活性剂, 润湿剂 / Surfactant, wetting agent residues [mg/kg]				
OP, NP, 总计 / Sum	< 10.0	< 10.0	< 10.0	< 10.0
OP, NP, OP(EO), NP(EO) 总计 / Sum	< 100.0	< 100.0	< 100.0	< 100.0
PFC's, 全氟化合物 / Perfluorinated Compounds^{12,20}				
PFOS 全氟辛烷磺酰基化合物 [µg/m ²]	<1.0	<1.0	<1.0	<1.0
PFHpA [mg/kg]	0.05	0.1	0.1	0.5
PFOA 全氟辛酸 [µg/m ²]	<1.0	<1.0	<1.0	<1.0
PFNA [mg/kg]	0.05	0.1	0.1	0.5
PFDA [mg/kg]	0.05	0.1	0.1	0.5
PFUdA [mg/kg]	0.05	0.1	0.1	0.5
PFDoA [mg/kg]	0.05	0.1	0.1	0.5
PFTTrDA [mg/kg]	0.05	0.1	0.1	0.5
PFTeDA [mg/kg]	0.05	0.1	0.1	0.5
紫外线稳定剂 / UV stabilizers [w-%]				
UV 320				0.1
UV 327				0.1
UV 328				0.1
UV 350				0.1
色牢度 (沾色) / Colour fastness (staining)				
耐水 / To water	3	3	3	3
耐酸性汗液 / To acidic perspiration	3 - 4	3 - 4	3 - 4	3 - 4
耐碱性汗液 / To alkaline perspiration	3 - 4	3 - 4	3 - 4	3 - 4
耐干摩擦 / To rubbing, dry ^{21,22}	4	4	4	4
耐唾液和汗液 / To saliva and perspiration	牢固 / fast			

¹⁸ 若产品必须经过加热后处理 (湿或干程序) 则例外: 3.0%。 / Exception for products which must be treated hot (in wet or dry stage) during further processing: 3.0 %

¹⁹ 适用于在生产过程中使用溶剂的纤维、纱线及涂层制品 / For fibre, yarns and coated articles, where solvents are used during production.

²⁰ 适用于所有做过防水、防油后整理和涂层处理的材料 / For all materials with a water and oil repellent finish or coating

²¹ 对于后续加工有“洗水处理”的产品 没有此项要求 / No requirements for 'wash-out' – articles

²² 对于颜料、还原染料或者硫化染料, 耐干摩擦的最小色牢度级别应为 3 级 / For pigment, vat or sulphurous colorants a minimum grade of colour fastness to rubbing of 3 (dry) is acceptable

限量值和色牢度, 第四部分 / Limit values and fastness, part 4

(测试方法描述于其他文件 / The testing procedures are described in a separate document)

产品级别 / Product Class	I 婴儿 / Baby	II 直接接触皮肤 / in direct contact with skin	III 不直接接触皮肤 / with no direct contact with skin	IV 家饰材料 / Decoration material
可挥发物释放量 / Emission of volatiles [mg/m³]²³				
Formaldehyde 甲醛 [50-00-0]	0.1	0.1	0.1	0.1
Toluene 甲苯 [108-88-3]	0.1	0.1	0.1	0.1
Styrene 苯乙烯 [100-42-5]	0.005	0.005	0.005	0.005
Vinylcyclohexene 乙烯基环己烷 [100-40-3]	0.002	0.002	0.002	0.002
4-Phenylcyclohexene 苯基环己烷 [4994-16-5]	0.03	0.03	0.03	0.03
Butadiene 丁二烯 [106-99-0]	0.002	0.002	0.002	0.002
Vinylchloride 氯乙烯 [75-01-4]	0.002	0.002	0.002	0.002
芳香烃 / Aromatic hydrocarbons	0.3	0.3	0.3	0.3
有机挥发物 / Organic volatiles	0.5	0.5	0.5	0.5
气味测定 / Determination of odours				
总体 / General	无异味 / no abnormal odour ²⁴			
SNV 195 651 (经修正 / Modified) ²³	3	3	3	3
禁用纤维 / Banned fibres				
石棉纤维 / Asbestos	不得使用 / not used			

²³ 适用于纺织地毯, 床垫和不用于服装的泡绵和大型涂层产品 / For textile carpets, mattresses as well as foams and large coated articles not being used for clothing

²⁴ 无霉味, 无高沸点汽油裂解气味, 无鱼腥味, 无芳香或香水气味 / No odour from mould, high boiling fraction of petrol, fish, aromatic hydrocarbons or perfume

附录 / Appendix 5

有害物质列表 / Compilation of the individual substances

杀虫剂 / Pesticides

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

氯化苯酚 / Chlorinated phenols

Name	CAS-Nr.	Name	CAS-Nr.
Pentachlorophenol	87-86-5	2,3-Dichlorophenol	576-24-9
2,3,5,6-Tetrachlorophenol	935-95-5	2,4-Dichlorophenol	120-83-2
2,3,4,6-Tetrachlorophenol	58-90-2	2,5-Dichlorophenol	583-78-8
2,3,4,5-Tetrachlorophenol	4901-51-3	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		

邻苯二甲酸酯 / Phthalates

Name	CAS-Nr.	Acronym
Butylbenzylphthalate	85-68-7	BBP
Dibutylphthalate	84-74-2	DBP
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
Di-cyclohexylphthalate	84-61-7	DCHP
Di-hexylphthalate, branched and linear	68515-50-4	DHxP
Di-iso-butylphthalate	84-69-5	DIBP
Di-iso-decylphthalate	26761-40-0, 68515-49-1	DIDP
Di-iso-hexylphthalate	71850-09-4	DIHxP
Di-iso-nonylphthalate	28553-12-0, 68515-48-0	DINP
Di-n-hexylphthalate	84-75-3	DHP
Di-n-octylphthalate	117-84-0	DNOP
Di-pentylphthalate (n-, iso-, or mixed)	131-18-0, 605-50-5, 776297-69-9, 84777-06-0	DPP

有机锡化合物 / Organic tin compounds

Name	Acronym	Name	Acronym
Dibutyltin	DBT	Tetrabutyltin	TeBT
Dimethyltin	DMT	Tributyltin	TBT
Dioctyltin	DOT	Tricyclohexyltin	TCyHT
Diphenyltin	DPT	Trimethyltin	TMT
Methyltin	MT	Trioctyltin	TOT
Monobutyltin	MBT	Triphenyltin	TPhT
Monooctyltin	MOT	Tripropyltin	TPT

具有致癌性的芳香胺 / Arylamines having carcinogenic properties

Name	CAS-Nr.	Name	CAS-Nr.
<u>MAK III, category 1</u>		<u>MAK III, category 1</u>	
4-Aminobiphenyl	92-67-1	4-Chloro-o-toluidine	95-69-2
Benidine	92-87-5	2-Naphthylamine	91-59-8
<u>MAK III, category 2</u>		<u>MAK III, category 2</u>	
o-Aminoazotoluene	97-56-3	4,4'-Methylene-bis- (2-chloroaniline)	101-14-4
2-Amino-4-nitrotoluene	99-55-8	4,4'-Oxydianiline	101-80-4
p-Chloroaniline	106-47-8	4,4'-Thiodianiline	139-65-1
2,4-Diaminoanisole	615-05-4	o-Toluidine	95-53-4
4,4'-Diaminodiphenylmethane	101-77-9	2,4-Toluylendiamine	95-80-7
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	2,4-Xylidine	95-68-1
4,4'-Methylenedi-o-toluidine	838-88-0	2,6-Xylidine	87-62-7
p-Cresidine	120-71-8	4-Aminoazobenzene	60-09-3

致癌染料及涂料 / Dyestuffs and pigments classified as carcinogenic

C.I. Generic Name	C.I. Structure number	CAS-Nr.
C.I. Acid Red 26	C.I. 16 150	3761-53-3
C.I. Basic Blue 26 (with ≥ 0.1 % Michler's ketone or base)		2580-56-5
C.I. Basic Green 4 (oxalate, chloride or free)		2437-29-8, 569-64-2, 10309-95-2
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 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. Pigment Red 104	C.I. 77 605	12656-85-8
C.I. Pigment Yellow 34	C.I. 77 603	1344-37-2

致敏染料 / Dyestuffs classified as allergenic

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	
C.I. Disperse Blue 35		12222-75-2
C.I. Disperse Blue 102		12222-97-8
C.I. Disperse Blue 106		12223-01-7
C.I. Disperse Blue 124		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	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		
C.I. Disperse Yellow 49		

其他禁用染料 / Other banned dyestuffs

C.I. Generic Name	C.I. Structure number	CAS-Nr.
C.I. Disperse Orange 149		85136-74-9
C.I. Disperse Yellow 23	C.I. 26 070	6250-23-3

氯化苯及氯化甲苯 / Chlorinated benzenes and toluenes

Chlorobenzene	Chlorotoluenes
Dichlorobenzenes	Dichlorotoluenes
Trichlorobenzenes	Trichlorotoluenes
Tetrachlorobenzenes	Tetrachlorotoluenes
Pentachlorobenzenes	Pentachlorotoluene
Hexachlorobenzene	

多环芳香烃 / Polycyclic aromatic hydrocarbons (PAH)

Name	CAS-Nr.	Name	CAS-Nr.
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

禁用阻燃物质 / Forbidden flame retardant substances

Name	CAS-Nr.	Acronym
2,2-bis(bromomethyl)-1,3-propanediol	3296-90-0	BBMP
Bis-(2,3-dibromopropyl)phosphate	5412-25-9	BIS
Boric acid	10043-35-3, 11113-50-1	
Decabromodiphenylether	1163-19-5	decaBDE
Diboron trioxide	1303-86-2	
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	
Heptabromodiphenylether	various	heptaBDE
Hexabromocyclododecane	25637-99-4	HBCDD
Hexabromodiphenylether	36483-60-0	hexaBDE
Octabromodiphenylether	32536-52-0	octaBDE
Pentabromodiphenylether	32534-81-9	penta BDE
Polybrominated biphenyls	59536-65-1	PBB
Short chain chlorinated paraffins (C10 - C13)	85535-84-8	SCCP
Tetraboron disodium heptaoxide, hydrate	12267-73-1	
Tetrabromobisphenol A	79-94-7	TBBPA
Tetrabromodiphenylether	various	tetraBDE
Tri-(2,3-dibromopropyl)-phosphate	126-72-7	TRIS
Tris-(2-chloroethyl)phosphate	115-96-8	TCEP
Tris-(1,3-dichloro-2-propyl)phosphate	13674-87-8	TDCPP
Tris-(aziridinyl)-phosphin oxide	545-55-1	TEPA
Trixylylphosphate	25155-23-1	TXP

残余溶剂 / Solvent residues

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

残余表面活性剂, 润湿剂 / Surfactant, wetting agent residues

Name	CAS-Nr.	Acronym
Nonylphenol	various	NP
Octylphenol	various	OP
Octylphenoethoxylates	various	OP(EO)
Nonylphenoethoxylates	various	NP(EO)

其他残余化学物 / Other chemical residues

Name	CAS-Nr.	Acronym
o-Phenylphenol	90-43-7	OPP
Short chained chlorinated paraffins (C10 - C13)	85535-84-8	SCCP
Tris(2-chloroethyl)phosphate	115-96-8	TCEP
Dimethylfumarate	624-49-7	DMFu

PFC's, 全氟化合物 / PFC's, Perfluorinated Compounds

<u>Name</u>	<u>CAS-Nr.</u>	<u>Acronym</u>
Perfluorooctane sulfonates	various	PFOS
Perfluoroheptanoic acids	various	PFHpA
Perfluorooctanoic acids	various	PFOA
Perfluorononanoic acids	various	PFNA
Perfluorododecanoic acids	various	PFDA
Henicosfluoroundecanoic acid	2058-94-8	PFUdA
Tricosfluorododecanoic acid	307-55-1	PFDoA
Pentacosfluorotridecanoic acid	72629-94-8	PFTTrDA
Heptacosfluorotetradecanoic acid	376-06-7	PFTeDA

紫外线稳定剂 / UV stabilizers

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

TESTEX