

Enclosure 1	Chemical requirements
1. Azocolourants	
2. Chlorinated phenols (Pentachlorphenol PCP und Tetrachlorphenol TeCP)	
3. Release of nickel of metal parts with skin contact	
4. Cadmium	
5. Lead	
6. Chromium VI aging	
7. Formaldehyd (When exceeding the limits in the area of children / infants, the complete articles will be returned)	
8. Allergenic disperse dyes and Carcinogenic Dyes	
9. Organostannic compounds TBT, DBT, TPhT, DOT, TBTO	
10. Phthalate (only for Children) DEHP, DBP, BBP, BMEP, DPP, DHP, DKNUP, DINP, DIDP, DNOP, DIBP, DIPP, PIPP,	
11. Chlorinated paraffins SCCP	
12. Alkylphenole NP, NPEO	
13. DMF Dimethylfumarat	
14. PAH	
15. PFOS (only for TEX water resistant materials)	
16. PFOA und APFO (only for TEX water resistant materials)	
17. Formamid in EVA (only for EVA materials)	
18. Dimethylformamid	

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Enclosure 2

Relevante chemical inspection parameters for the SIEMES Group of Companies*

Hazardous substance	Requirement/limit	Norm (in the respectively current version) / performance
1) Azo dyestuffs forbidden aromatic amine ⁽¹⁾	< 30 mg/kg per amine	Leather: DIN EN ISO 17234-1 und DIN EN ISO 17234-2 § 64 LFGB, B 82.02-3(V) Textile: § 64 LFGB, B 82.02-02 / DIN EN 14362-1 E DIN EN 14362-1 und E DIN EN 14362-3 Polyester: § 64 LFGB, B 82.02-04 / DIN EN 14362-2 E DIN EN 14362-1 und E DIN EN 14362-3 4-Amino-azobenzol: § 64 LFGB, B 82.02-9 sonstige Materialien: DIN EN 14362
2) Chlorinated phenols	< 5,0 mg/kg PCP < 5,0 mg/kg TeCP	Textile: § 64 LFGB, B 82.02-8 Leather: DIN EN ISO 17070 Other materials: § 64 LFGB, B 82.02-8
3) Release of nickel of metal parts with skin contact	< 0,5 µg/cm ² /Woche	CR 12 471, Abschnitt 5.3.4. § 64 LFGB, B 82.02-6 / DIN EN 1811 § 64 LFGB, B 82.02-7 / DIN EN 12 472
4) Cadmium	< 100 mg/kg (0,01%)	DIN EN 14602:2012 for Plastic (inkl. DIN EN 1122:2002) DIN EN 17072-2: 2011 for Leather DIN EN 16711-1: 2016 for Textile
5) Lead	< 500 mg/kg	DIN EN 14602:2012 for Plastic DIN EN 17072-2: 2011 for Leather DIN EN 16711-1: 2016 for Textile

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Hazardous substance	Requirement/limit	Norm (in the respectively current version) / performance
6) Chromium VI aging	< 3,0 mg/kg	§ 64 LFGB, B 82.02-11 / in Anlehnung an DIN EN ISO 17075
7) Formaldehyd	Adults: < 150 mg/kg Children: < 75 mg/kg (size 28-42) infant: < 20 mg/kg (up to size 27)	Leather: DIN EN ISO 17226-1 oder -2 Textile: § 64 LFGB, B 82.02-1/ DIN EN ISO 14184-1 Wood: DIN EN 717-3 Other materials DIN EN ISO 17226-1
8) Allergenic disperse dyes and Carcinogenic Dyes ⁽²⁾	< 75 mg/kg Verwendungsverbot	§ 64 LFGB, B 82.02-10 / DIN 54231
9) Organostannic compounds	< 1000 mg/kg per TBT, DBT, TPhT, DOT, TBTO	DIN CEN ISO/TS 16179; DIN SPEC 91179
10) Phthalate ⁽⁴⁾	< 1.000 mg/kg (0,1%) per Phthalat	DIN CEN ISO/TS 16181; DIN SPEC 91181
11) Chlorinated paraffins SCCP (chlorinated alkaline C10-C13) all materials	< 1.500 mg/kg (0,15%)	E DIN EN ISO 18219
12) Alkylphenole Nonylphenol, Nonylphenoethoxylate	< 1.000 mg/kg (0,1%)	Leather: DIN EN ISO 18218 Teil 1 and 2 Textile: DIN EN ISO 18254
13) DMF (Dimethylfumarat)	< 0,1 mg/kg	DIN CEN ISO/TS 16186; DIN SPEC 53280

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Hazardous substance	Requirement/limit	Norm (in the respectively current version) / performance
14) PAK ⁽⁵⁾ (Polycyclic aromatic hydrocarbons)	Adults: < 10 mg/kg Summe PAK ^(A) < 1 mg/kg pro PAK ^(B) Children: < 10 mg/kg Summe PAK ^(A) < 0,5 mg/kg pro PAK ^(B)	Solvent extraction, determination by means of HPLC or GC-MS DIN CEN ISO/TS 16190; DIN SPEC 52412 or ZEK 01.04-08 2011
15) PFOS (perfluorooctane sulfonates)	< 1,0 µg/m ²	DIN SPEC 1038; DIN CEN/TS 15968
16) PFOA (Pentadecafluorooctansäure) APFO (Ammonium Pentadecafluoroktaoat)	< 25 µg/kg	DIN SPEC 1038; DIN CEN/TS 15968
17) Formamide in EVA	< 100 mg/kg	after TR DIN CEN ISO/TS 16189:2013 DIN SPEC 52411:2013
18) Dimethylformamid (DMFA)	< 1000 mg/kg	TR DIN CEN ISO/TS 16189:2013 DIN SPEC 52411:2013

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Table 1 Forbidden aromatic amines⁽¹⁾ (CAS Nr.)

1. 4-Aminobiphenyl (92-67-1)	12. 3,3'-Dimethylbenzidin (119-93-7)
2. Benzidin (92-87-5)	13. 4,4'-Methylendi-o-toluidin (838-88-0)
3. 4-Chlor-o-toluidin (95-69-2)	14. p-Cresidin (120-71-8)
4. 2-Naphthylamin (91-59-8)	15. 4,4'-Methylen-bis-(2-chloranilin) (101-14-4)
5. o-Amino-azotoluol (97-56-3)	16. 4,4'-Oxydianilin (101-80-4)
6. 5-Nitro-o-toluidin (99-55-8)	17. 4,4'-Thiodianilin (139-65-1)
7. 4-Chloranilin (106-47-8)	18. o-Toluidin (95-53-4)
8. 4-Methoxy-m-phenylendiamin (615-05-4)	19. 4-Methyl-m-phenylendiamin (95-80-7)
9. 4,4'-Methyldianilin (101-77-9)	20. 2,4,5-Trimethylanilin (137-17-7)
10. 3,3'-Dichlorbenzidin (91-94-1)	21. 2-Methoxyanilin (90-04-0)
11. 3,3'-Dimethoxybenzidin (119-90-4)	22. 4-Amino-azobenzol (60-09-3)

Table 2

allergenic disperse dyes ⁽²⁾ (CAS Nr.)	allergenic disperse dyes ⁽²⁾ (CAS Nr.)	Carcinogenic Dyes ⁽²⁾ (CAS Nr.)
Disperse Blue 1 (2475-45-8)	Disperse Brown 1 (23355-64-8)	Acid Red 26 (3761-53-3)
Disperse Blue 3 (2475-46-9)	Disperse Orange 1 (2581-69-3)	Basic Red 9 (569-61-9)
Disperse Blue 7 (3179-90-6)	Disperse Orange 3 (730-40-5)	Basic Violet 14 (632-99-5)
Disperse Blue 26 (3860-63-7)	Disperse Orange 3776 (13301-61-6)	Direct Black 38 (1937-37-7)
Disperse Blue 35 (12222-75-2)	Disperse Orange 149 (85136-74-9)	Direct Blue 6 (2602-46-2)
Disperse Blue 102 (12222-97-8)	Disperse Yellow 1 (119-15-3)	Direct Red 28 (573-58-0)
Disperse Blue 106 (104573-53-7)	Disperse Yellow 3 (2832-40-8)	Disperse Blue 1 (2475-45-8)
Disperse Blue 124 (15141-18-1)	Disperse Yellow 9 (6373-73-5)	Disperse Yellow 11 (82-28-0)
Disperse Red 1 (2872-52-8)	Disperse Yellow 23 (6250-23-3)	Disperse Orange 3 (2832-40-8)
Disperse Red 11 (2872-48-2)	Disperse Yellow 39 (12239-29-2)	
Disperse Red 17 (3179-89-3)	Disperse Yellow 49 (54824-37-2)	

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Table 3 PAH⁽⁶⁾ (CAS Nr.)

1. ^(A) Naphthalin (91-20-3)	10. ^(A) Benz[<i>g,h,i</i>]perylene (191-24-2)
2. ^(A) Acenaphthylen (208-96-8)	11. ^(B) Benzo[<i>a</i>]pyren (50-32-8)
3. ^(A) Acenaphthen (83-32-9)	12. ^(B) Benzo[<i>b</i>]fluoranthren (205-99-2)
4. ^(A) Fluoren (86-73-7)	13. ^(B) Benzo[<i>k</i>]fluoranthren (207-08-9)
5. ^(A) Phenanthren (85-01-8)	14. ^(B) Benzo[<i>a</i>]anthracen (56-55-3)
6. ^(A) Anthracen (120-12-7)	15. ^(B) Benzo[<i>e</i>]pyren (192-97-2)
7. ^(A) Fluoranthren (206-44-0)	16. ^(B) Benzo[<i>j</i>]fluoranthren (205-82-3)
8. ^(A) Pyren (129-00-0)	17. ^(B) Chrysen (218-01-9)
9. ^(A) Indeno[1,2,3- <i>c,d</i>]pyren (193-39-5)	18. ^(B) Dibenzo[<i>a,h</i>]anthracen (53-70-3)

Table 4 Phthalate⁽⁵⁾ (CAS Nr.)

1. Di(2-ethylhexyl)phthalat DEHP (117-81-7)	8. Di-iso-nonylphthalat DINP (28553-12-0 o. 68515-48-0)
2. Dibutylphthalat DBP (84-74-2)	9. Di-iso-decylphthalat DIDP (26761-40-0 o. 68515-49-1)
3. Butylbutylphthalat BBP (85-68-7)	10. Di-n-octylphthalat DNOP (117-84-0)
4. Bis-(2-methoxyethyl)-phthalat BMEP (117-82-8)	11. Di-iso-butylphthalat DIBP (84-69-5)
5. Dipentylphthalat verzweigt und linear DPP (84777-06-0)	12. Di-iso-pentylphthalat DIPP (605-50-5)
6. Di-n-hexylphthalat DHP (84-75-3)	13. n-Pentyl-iso-pentylphthalat PIPP (776297-69-9)
7. 1,2-Benzodibenzocarbonäure Di-C7-11 verzweigte und lineare Alkylester DHNUP	14. 1,2-Benzodibenzocarbonäure Di-C6-8 verzweigte Alkylester, C7-reich DIHP

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