

List of 179 substances banned for use in hair dye products

(Updated: February 2010)

Ref. No. Annex II to CD	Chemical Name / INCI - Name	CAS No.
289	Lead acetate	301-04-2
363	o-Phenylenediamine	95-54-5
364	2,4-Diaminotoluene	95-80-7
376	1-Methoxy-2,4-diaminobenzen	615-05-4
377	1-Methoxy-2,5-diaminobenzene	5307-02-8
380	Basic Violet 3	548-62-9
383	2-Amino-4-nitrophenol	99-57-0
384	2-Amino-5-nitrophenol	121-88-0
386	CI 42640	1694-09-3
387	Acid Yellow 36	587-98-4
388	Basic Violet 1	8004-87-3
398	CI 45170, CI 45170:1	81-88-9; 509-34-2
406	4-Ethoxy-2,4-diaminobenzene	5862-77-1
407	1-beta-Hydroxyethyl-2,4-diaminobenzene	14572-93-1
408	Catechol	120-80-9
409	Pyrogallic acid	87-66-1
412	4-Amino-2-nitrophenol	119-34-6
413	1-Methyl-2,6-diaminobenzen	823-40-5
700	Disperse Blue 1	2475-45-8
1055	Disperse Yellow 3	2832-40-8
1188	Basic Green 4	569-64-2
1204	m-Phenylenediamine	108-45-2
1212	6-Methoxy-2,3-pyridinediamine HCl	94166-62-8
1213	2,3-Naphthalenediol	92-44-4
1214	2,4-Diaminodiphenylamine	136-17-4
1215	2,6-Bis(2-hydroxyethoxy)-3,5-pyridinediamine HCl	117907-42-3
1216	2-Methoxymethyl-p-aminophenol HCl	29785-47-5 (HCl)
1217	4,5-Diamino-1-methylpyrazole HCl; sulfate	21616-59-1 HCl
1218	4,5-Diamino-1-((4-chlorophenyl)methyl)-1H-pyrazole sulfate	163183-00-4
1219	4-Chloro-2-aminophenol	95-85-2
1220	4-Hydroxyindole	2380-94-1
1221	4-Methoxytoluene-2,5-diamine HCl	56496-88-9
1222	5-Amino-4-fluoro-2-methylphenol sulfate	163183-01-5
1223	N,N-Diethyl m-aminophenol	91-68-9
1224	N,N-Dimethyl-2,6-pyridinediamine HCl	-
1225	N-cyclopentyl-m-aminophenol	104903-49-3
1226	N-Methoxyethyl-p-phenylenediamine HCl	72584-59-9
1227	2,4-Diamino-5-methylphenetol HCl	113715-25-6
1228	1,7-Naphthalenediol	575-38-2
1229	3,4-Diaminobenzoic acid	619-05-6
1230	2-Aminomethyl-p-aminophenol HCL	135043-65-1; 79352-72-0
1231	Solvent Red 1	1229-55-6
1232	Acid Orange 24	1320-07-6
1233	Acid Red 73	5413-75-2
1234	PEG-3,2',2'-di-p-Phenylenediamine	144644-13-3
1235	6-Nitro-o-Toluidine	570-24-1
1236	HC Yellow No 11	73388-54-2

1237	HC Orange No 3	81612-54-6
1238	HC Green No 1	52136-25-1
1239	HC Red No 8 and its salts	97404-14-3; 13556-29-1
1240	Tetrahydro-6-nitroquinoxaline and its salts	158006-54-3; 41959-35-7
1241	Disperse Red 15, except as impurity in Disperse Violet 1	116-85-8
1242	4-amino-3-fluorophenol	399-95-1
1244	1-Methyl-2,4,5-trihydroxybenzene and its salts	1124-09-0
1245	2,6-Dihydroxy-4-methylpyridine and its salts	4664-16-8
1246	5-Hydroxy-1,4-benzodioxane and its salts	10288-36-5
1247	3,4-Methylenedioxyphenol and its salts	533-31-3
1248	3,4-Methylenedioxyaniline and its salts	14268-66-7
1249	Hydroxypyridinone and its salts	822-89-9
1250	3-Nitro-4-aminophenoxyethanol and its salts	50982-74-6
1251	2-methoxy-4-nitrophenol (4-Nitroguaiacol) and its salts	3251-56-7
1252	C.I. Acid Black 131 and its salts	12219-01-1
1253	1,3,5-Trihydroxybenzene (Phloroglucinol) and its salts	108-73-6
1254	1,2,4-Benzenetriacetate and its salts	613-03-6
1255	Ethanol, 2,2'-iminobis-, reaction products with epichlorohydrin and 2-nitro-1,4-benzenediamine (HC Blue No. 5) and its salts	68478-64-8; 158571-58-5
1256	N-Methyl-1,4-diaminoanthraquinone, reaction products with epichlorohydrin and monoethanolamine (HC Blue No. 4) and its salts	158571-57-4
1257	4-Aminobenzenesulfonic acid and its salts	121-57-3
1258	3,3'-(Sulfonylbis(2-nitro-4,1-phenylene)imino)bis(6-(phenylamino)) benzenesulfonic acid and its salts	
1259	3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium and its salts	
1260	2,2'-((3-Chloro-4-((2,6-dichloro-4-nitrophenyl)azo)phenyl)imino)bisethanol (Disperse Brown 1) and its salts	23355-64-8
1261	Benzothiazolium, 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-methyl- and its salts	
1262	2-[[4-Chloro-2-nitrophenyl]azo]-N-(2-methoxyphenyl)-3-oxobutanamide (Pigment Yellow 73) and its salts	13515-40-7
1263	2,2'-[[3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[3-oxo-N-phenylbutanamide] (Pigment Yellow 12) and its salts	6358-85-6
1264	2,2'-((1,2-Ethenediyl)bis[5-((4-ethoxyphenyl)azo)benzenesulfonic acid) and its salts	
1265	2,3-Dihydro-2,2-dimethyl-6-[[4-(phenylazo)-1-naphthalenyl]azo]-1H-pyrimidine (Solvent Black 3) and its salts	4197-25-5
1266	3(or5)-[[4-[[7-amino-1-hydroxy-3-sulphonato-2-naphthyl]azo]-1-naphthyl]azo]salicylic acid and its salts	
1267	2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[[4-[[4-sulfophenyl]azo]phenyl]azo]- and its salts	
1268	(μ-((7,7'-Iminobis(4-hydroxy-3-((2-hydroxy-5-(N-methylsulphamoyl)phenyl)azo)naphthalene-2-sulphonato))(6-)))dicuprate(2-) and its salts	
1269	3-[[4-(Acetylamino)phenyl]azo]-4-hydroxy-7-[[[5-hydroxy-6-(phenylazo)-7-sulfo-2-naphthalenyl]amino]carbonyl]amino]-2-naphthalenesulfonic acid and its salts	
1270	2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[[2-sulfo-4-[[4-sulfophenyl]azo]phenyl]azo]-, and its salts	25188-41-4
1271	Ethanaminium, N-(4-[bis[4-(diethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene)-N-ethyl- and its salts	

1272	3H-Indolium, 2-[[4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl- and its salts	
1273	3H-Indolium, 2-(2-((2,4-dimethoxyphenyl)amino)ethenyl)-1,3,3-trimethyl- and its salts	
1274	Nigrosine spirit soluble (Solvent Black 5)	11099-03-9
1275	Phenoxazin-5-ium, 3,7-bis(diethylamino)-, and its salts	47367-75-9
1276	Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, and its salts	
1277	6-Amino-2-(2,4-dimethylphenyl)-1H-benz[de]isoquinoline-1,3(2H)-dione (Solvent Yellow 44) and its salts	2478-20-8
1278	1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone and its salts	12217-43-5
1279	Laccaic Acid (CI Natural Red 25) and its salts	60687-93-6
1280	Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, and its salts	15347-52-1
1281	4-[(4-Nitrophenyl)azo]aniline (Disperse Orange 3) and its salts	730-40-5
1282	4-Nitro-m-phenylenediamine and its salts	5131-58-8
1283	1-Amino-4-(methylamino)-9,10-anthracenedione (Disperse Violet 4) and its salts	1220-94-6
1284	N-Methyl-3-nitro-p-phenylenediamine and its salts	2973-21-9
1285	N1-(2-Hydroxyethyl)-4-nitro-o-phenylenediamine (HC Yellow No. 5) and its salts	56932-44-6
1286	N1-(Tris(hydroxymethyl)methyl-4-nitro-1,2-phenylenediamine (HC Yellow No. 3) and its salts	56932-45-7
1287	2-Nitro-N-hydroxyethyl-p-anisidine and its salts	57524-53-5
1288	N,N'-Dimethyl-N-Hydroxyethyl-3-nitro-p-phenylenediamine and its salts	10228-03-2
1289	3-(N-Methyl-N-(4-methylamino-3-nitrophenyl)amino)propane-1,2-diol and its salts	93633-79-5
1290	4-Ethylamino-3-nitrobenzoic acid (N-Ethyl-3-Nitro PABA) and its salts	2788-74-1
1291	(8-[(4-Amino-2-nitrophenyl)azo]-7-hydroxy-2-naphthyl)trimethylammonium and its salts, except Basic Red 118 (CAS 71134-97-9) as impurity in Basic Brown 17	
1292	5-((4-(Dimethylamino)phenyl)azo)-1,4-dimethyl-1H-1,2,4-triazolium and its salts	
1293	m-Phenylenediamine, 4-(phenylazo)-, and its salts	495-54-5
1294	1,3-Benzenediamine, 4-methyl-6-(phenylazo)- and its salts	
1295	2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-((2-methylphenyl)azo)- and its salts	
1296	4,4'-[(4-Methyl-1,3-phenylene)bis(azo)]bis[6-methyl-1,3-benzenediamine] (Basic Brown 4) and its salts	4482-25-1
1297	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-2-methylphenyl]azo]-N,N,N-trimethyl- and its salts	
1298	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-1-naphthalenyl]azo]-N,N,N-trimethyl- and its salts	
1299	Ethanaminium, N-[4-[(4-(diethylamino)phenyl)phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts	
1300	9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)- and its derivatives and salts	86722-66-9
1301	1,4-Diamino-2-methoxy-9,10-anthracenedione (Disperse Red 11) and its salts	2872-48-2
1302	1,4-Dihydroxy-5,8-bis[(2-hydroxyethyl)amino]anthraquinone (Disperse Blue 7) and its salts	3179-90-6
1303	1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone and its salts	
1304	N-[6-[(2-Chloro-4-hydroxyphenyl)imino]-4-methoxy-3-oxo-1,4-cyclohexadien-1-yl]acetamide (HC Yellow No. 8) and its salts	66612-11-1

1305	[6-[[3-Chloro-4-(methylamino)phenyl]imino]-4-methyl-3-oxocyclohexa-1,4-dien-1-yl]urea (HC Red No. 9) and its salts	56330-88-2
1306	Phenothiazin-5-ium, 3,7-bis(dimethylamino)- and its salts	
1307	4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine and its salts	
1308	5-Amino-2,6-Dimethoxy-3-Hydroxypyridine and its salts	104333-03-1
1309	4,4'-Diaminodiphenylamine and its salts	537-65-5
1310	4-Diethylamino-o-toluidine and its salts	148-71-0
1311	N,N-Diethyl-p-phenylenediamine and its salts	93-05-0
1312	N,N-Dimethyl-p-phenylenediamine and its salts	99-98-9
1313	Toluene-3,4-Diamine and its salts	496-72-0
1314	2,4-Diamino-5-methylphenoxyethanol and its salts	141614-05-3
1315	6-Amino-o-cresol and its salts	17672-22-9
1316	Hydroxyethylaminomethyl-p-aminophenol and its salts	110952-46-0
1317	2-Amino-3-nitrophenol and its salts	603-85-0
1318	2-Chloro-5-nitro-N-hydroxyethyl-p-phenylenediamine and its salts	50610-28-1
1319	2-Nitro-p-phenylenediamine and its salts	5307-14-2
1320	Hydroxyethyl-2,6-dinitro-p-anisidine and its salts	122252-11-3
1321	6-Nitro-2,5-pyridinediamine and its salts	69825-83-8
1322	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl- and its salts	
1323	3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid and its salts	16279-54-2
1324	3-[(2-nitro-4-(trifluoromethyl)phenyl)amino]propane-1,2-diol (HC Yellow No. 6) and its salts	104333-00-8
1325	2-[(4-chloro-2-nitrophenyl)amino]ethanol (HC Yellow No. 12) and its salts	59320-13-7
1326	3-[[4-[(2-Hydroxyethyl)Methylamino]-2-Nitrophenyl]Amino]-1,2-Propanediol and its salts	173994-75-7
1327	3-[[4-[Ethyl(2-Hydroxyethyl)Amino]-2-Nitrophenyl]Amino]-1,2-Propanediol and its salts	114087-41-1
1328	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts	
1329	4-[(4-Aminophenyl)(4-iminocyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine (CAS 3248-93-9; EINECS 221-832-2) and its hydrochloride salt (Basic Violet 14; CI 42510) (CAS 632-99-5; EINECS 211-189-6)	
1330	4-(2,4-Dihydroxyphenylazo)benzenesulphonic acid (CAS 2050-34-2; EINECS 218-087-0) and its sodium salt (Acid Orange 6; CI 14270) (CAS 547-57-9; EINECS 208-924-8)	
1331	3-Hydroxy-4-(phenylazo)-2-naphthoic acid (CAS 27757-79-5; EINECS 248-638-0) and its calcium salt (Pigment Red 64:1; CI 15800) (CAS 6371-76-2; EINECS 228-899-7)	
1332	2-(6-Hydroxy-3-oxo-(3H)-xanthen-9-yl)benzoic acid; Fluorescein (CAS 2321-07-5; EINECS 219-031-8) and its disodium salt (Acid yellow 73 sodium salt; CI 45350) (CAS 518-47-8; EINECS 208-253-0)	
1333	4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one; 4',5'-Dibromofluorescein; (Solvent Red 72) (CAS 596-03-2; EINECS 209-876-0) and its disodium salt (CI 45370) (CAS 4372-02-5; EINECS 224-468-2)	
1334	2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)-benzoic acid; Fluorescein, 2',4',5',7'-tetrabromo-; (Solvent Red 43) (CAS 15086-94-9; EINECS 239-138-3), its disodium salt (Acid Red 87; CI 45380) (CAS 17372-87-1; EINECS 241-409-6) and its aluminium salt (Pigment Red 90:1 Aluminium lake) (CAS 15876-39-8; EINECS 240-005-7)	
1335	Xanthylium, 9-(2-carboxyphenyl)-3-(2-methylphenyl)amino)-6-((2-methyl-4-sulphophenyl)amino)-, inner salt (CAS 10213-95-3); and its sodium salt (Acid Violet 9; CI 45190) (CAS 6252-76-2; EINECS 228-377-9)	
1336	3',6'-Dihydroxy-4',5'-diiodospiro(isobenzofuran-1(3H),9'-[9H]xanthene)-3-one; (Solvent Red 73) (CAS 38577-97-8; EINECS 254-010-7) and its sodium salt (Acid Red 95; CI 45425) (CAS 33239-19-9; EINECS 251-419-2)	

1337	2',4',5',7'-Tetraiodofluorescein (CAS 15905-32-5; EINECS 240-046-0), its disodium salt (Acid Red 51; CI 45430) (CAS 16423-68-0; EINECS 240-474-8) and its aluminium salt (Pigment Red 172 Aluminium lake)(CAS 12227-78-0; EINECS 235-440-4)
1338	1-Hydroxy-2,4-diaminobenzene (2,4-Diaminophenol) (CAS 95-86-3; EINECS 202-459-4) and its dihydrochloride salt (2,4-Diaminophenol HCl) (CAS 137-09-7; EINECS 205-279-4)
1339	1,4-Dihydroxybenzene (Hydroquinone) (CAS 123-31-9; EINECS 204-617-8)
1340	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (Basic Blue 26; CI 44045) (CAS 2580-56-5; EINECS 219-943-6)
1341	Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate (Ponceau SX; CI 14700) (CAS 4548-53-2; EINECS 224-909-9)
1342	Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-) (Acid Green 1; CI 10020) (CAS 19381-50-1; EINECS 243-010-2)
1343	4-(Phenylazo)resorcinol (Solvent Orange 1; CI 11920) (CAS 2051-85-6; EINECS 218-131-9) and its salts
1344	4-[(4-Ethoxyphenyl)azo]naphthol (Solvent Red 3; CI 12010) (CAS 6535-42-8; EINECS 229-439-8) and its salts
1345	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol (Pigment Red 4; CI 12085) (CAS 2814-77-9; EINECS 220-562-2) and its salts
1346	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide (Pigment Red 112; CI 12370) (CAS 6535-46-2; EINECS 229-440-3) and its salts
1347	N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide (Pigment Red 5; CI 12490) (CAS 6410-41-9; EINECS 229-107-2) and its salts
1348	Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate (Pigment Red 48; CI 15865) (CAS 3564-21-4; EINECS 222-642-2)
1349	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate (Pigment Red 63:1; CI 15880) (CAS 6417-83-0; EINECS 229-142-3)
1350	Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate (Acid Red 27; CI 16185) (CAS 915-67-3; EINECS 213-022-2)
1351	2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide] (Pigment Yellow 13; CI 21100) (CAS 5102-83-0; EINECS 225-822-9)
1352	2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol] (Solvent Yellow 29; CI 21230) (CAS 6706-82-7; EINECS 229-754-0)
1353	1-((4-Phenylazo)phenylazo)-2-naphthol (Solvent Red 23; CI 26100) (CAS 85-86-9; EINECS 201-638-4)
1354	Tetrasodium 6-amino-4-hydroxy-3-[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate (Food Black 2; CI 27755) (CAS 2118-39-0; EINECS 218-326-9)
1355	Ethanaminium, N-(4-((4-(diethylamino)phenyl)(2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, sodium salt (Acid Blue 1; CI 42045) (CAS 129-17-9; EINECS 204-934-1)
1356	Ethanaminium, N-(4-((4-(diethylamino)phenyl)(5-hydroxy-2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, calcium salt (2:1) (Acid Blue 3; CI 42051) (CAS 3536-49-0; EINECS 222-573-8)
1357	Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(4-hydroxy-2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt (Fast Green FCF; CI 42053) (CAS 2353-45-9; EINECS 219-091-5)
1358	1,3-Isobenzofurandione, reaction products with methylquinoline and quinoline (Solvent Yellow 33; CI 47000) (CAS 8003-22-3; EINECS 232-318-2)
1359	Nigrosine (CI 50420) (CAS 8005-03-6)
1360	8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine (Pigment Violet 23; CI 51319) (CAS 6358-30-1; EINECS 228-767-9)
1361	1,2-Dihydroxyanthraquinone (Pigment Red 83; CI 58000) (CAS 72-48-0; EINECS 200-782-5)
1362	Trisodium 8-hydroxypyrene-1,3,6-trisulphonate (Solvent Green 7; CI 59040) (CAS 6358-69-6; EINECS 228-783-6)
1363	1-Hydroxy-4-(p-toluidino)anthraquinone (Solvent Violet 13; CI 60725) (CAS 81-48-1; EINECS 201-353-5),

1364	1,4-bis(p-Tolylamino)anthraquinone (Solvent Green 3; CI 61565) (CAS 128-80-3; EINECS 204-909-5)
1365	6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one (VAT Red 1; CI 73360) (CAS 2379-74-0; EINECS 219-163-6)
1366	5,12-Dihydroquino[2,3-b]acridine-7,14-dione (Pigment Violet 19; CI 73900) (CAS 1047-16-1; EINECS 213-879-2)
1367	(29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32)copper (Pigment Blue 15; CI 74160) (CAS 147-14-8; EINECS 205-685-1)
1368	Disodium [29H,31H-phthalocyaninedisulphonato(4-)-N29,N30,N31,N32]cuprate(2-) (Direct Blue 86; CI 74180) (CAS 1330-38-7; EINECS 215-537-8)
1369	Polychloro copper phthalocyanine (Pigment Green 7; CI 74260) (CAS 1328-53-6; EINECS 215-524-7)