

## Guidance document to the Commission Directive 2007/54/EC of 29 August 2007 (ban of 85 hair dyes)

Commission Directive 2007/54/EC of 29 August 2007 amending Council Directive 76/768/EEC, concerning cosmetic products, for the purpose of adapting Annexes II and III thereto to technical progress, was published on 30 August 2007 in the Official Journal (OJ L 226, p.21).

This directive bans 85 chemicals when used as substances in hair dye products. In order to facilitate the practical use of the directive the following table provides assistance in identifying the most common salts that can be derived from their free bases<sup>1</sup>:

Ref. No.	Chemical name or INCI-name / CAS No.	Examples of a salt		
		Chemical name	INCI-name	CAS No.
1257	4-Aminobenzenesulfonic acid (CAS No 121-57-3) and its salts		Sodium sulfanilate	515-74-2
1258	3,3'-(Sulfonylbis(2-nitro-4,1-phenylene)imino)bis(6-(phenylamino)) benzenesulfonic acid and its salts	Benzenesulfonic acid, 3,3'-(sulfonylbis(2-nitro-4,1-phenylene)imino)bis(6-(phenylamino))-, disodium salt	Acid Brown 13	6373-79-1
1259	3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium and its salts	3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium bromide		89959-98-8
		1,4-dimethyl-5-((4-(methyl(phenylmethyl)amino)phenyl)azo)- 1H-1,2,4-Triazolium bromide	Basic Red 46	12221-69-1
1261	Benzothiazolium, 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-methyl- and its salts	Benzothiazolium, 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-methyl-, methyl sulfate	Basic Blue 41	12270-13-2
1264	2,2'-(1,2-Ethenediyl)bis[5-((4-ethoxyphenyl)azo)benzenesulfonic acid) and its salts	Disodium 4,4'-bis[(4-ethoxyphenyl)azo]stilbene-2,2'-disulphonate	Direct Yellow 12	2870-32-8
1266	3(or5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylic acid and its salts	Disodium 3(or5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylate		34977-63-4
		Disodium 5-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylate	Direct Black 51	3442-21-5
1267	2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[[4-[(4-sulfophenyl)azo]phenyl]azo]- and its salts	Disodium 7-benzamido-4-hydroxy-3-[[4-[(4-sulphonatophenyl)azo]phenyl]azo]naphthalene-2-sulphonate	Direct Red 81	2610-11-9

<sup>1</sup> Ordered by reference numbers in Annex II of the Cosmetics Directive.

Ref. No.	Chemical name or INCI-name / CAS No.	Examples of a salt		
		Chemical name	INCI-name	CAS No.
1268	( $\mu$ -((7,7'-Iminobis(4-hydroxy-3-((2-hydroxy-5-(N-methylsulphamoyl)phenyl)azo)naphthalene-2-sulphonato))(6-)))dicuprate(2-) and its salts	Disodium ( $\mu$ -((7,7'-iminobis(4-hydroxy-3-((2-hydroxy-5-(N-methylsulphamoyl)phenyl)azo)naphthalene-2-sulphonato))(6-)))dicuprate(2-)	Direct Violet 48	37279-54-2
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	Disodium 3-[[4-(acetamidophenyl)azo]-4-hydroxy-7-[[[[5-hydroxy-6-(phenylazo)-7-sulphonato-2-naphthyl]amino]carbonyl]amino]naphthalene-2-sulphonate	Direct Red 23	3441-14-3
1270	2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[[2-sulfo-4-[(4-sulfophenyl)azo]phenyl]azo]-, (CAS No 25188-41-4) and its salts	2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis[4-hydroxy-3-[[2-sulfo-4-[(4-sulfophenyl)azo]phenyl]azo]-, hexasodium salt	Direct Red 80	2610-10-8
1271	Ethanaminium, N-(4-[bis[4-(diethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene)-N-ethyl- and its salts	(4-[bis[4-(diethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene)diethylammonium chloride	Basic Violet 4	2390-59-2
1272	3H-Indolium, 2-[[4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl- and its salts	2-[[4-(Methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulfate	Basic Yellow 28	54060-92-3
1273	3H-Indolium, 2-(2-((2,4-dimethoxyphenyl)amino)ethenyl)-1,3,3-trimethyl- and its salts	2-(2-((2,4-dimethoxyphenyl)amino)vinyl)-1,3,3-trimethyl-3H-indolium chloride	Basic Yellow 11	4208-80-4
1275	Phenoxazin-5-ium, 3,7-bis(diethylamino)-, (CAS No 47367-75-9) and its salts	Phenoxazin-5-ium, 3,7-bis(diethylamino)-, chloride	Basic Blue 3	33203-82-6
1276	Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, and its salts	Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, chloride	Basic Blue 6	966-62-1
		9-(dimethylamino)benzo[a]phenazin-7-ium chloride, compound with zinc chloride		7057-57-0
1278	1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone (CAS No 12217-43-5) and its salts	1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone monohydrochloride	Basic Blue 47	67905-56-0
1280	Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, (CAS No 15347-52-1) and its salts	Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, monosodium salt	Acid Orange 3	6373-74-6
1289	3-(N-Methyl-N-(4-methylamino-3-nitrophenyl)amino)propane-1,2-diol (CAS No 93633-79-5) and its salts	3-(N-Methyl-N-(4-methylamino-3-nitrophenyl)amino)propane-1,2-diol hydrochloride	HC Blue No. 6	93633-78-4
1292	5-((4-(Dimethylamino)phenyl)azo)-1,4-dimethyl-1H-1,2,4-triazolium and its salts	5-((4-(Dimethylamino)phenyl)azo)-1,4-dimethyl-1H-1,2,4-triazolium chloride	Basic Red 22	12221-52-2

Ref. No.	Chemical name or INCI-name / CAS No.	Examples of a salt		
		Chemical name	INCI-name	CAS No.
1293	m-Phenylenediamine, 4-(phenylazo)-, (CAS No 495-54-5) and its salts	4-Phenylazo-m-phenylenediamine hydrochloride	Basic Orange 2	532-82-1
1294	1,3-Benzenediamine, 4-methyl-6-(phenylazo)- and its salts	1,3-Benzenediamine, 4-methyl-6-(phenylazo)-, monohydrochloride	Basic Orange 1	4438-16-8
1295	2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-((2-methylphenyl)azo)- and its salts	2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-((2-methylphenyl)azo)-, disodium salt	Acid Red 35	6441-93-6
1297	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-2-methylphenyl]azo]-N,N,N-trimethyl- and its salts	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-2-methylphenyl]azo]-N,N,N-trimethyl-, chloride	HC Brown No. 2	83803-99-0
1298	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-1-naphthalenyl]azo]-N,N,N-trimethyl- and its salts	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-1-naphthalenyl]azo]-N,N,N-trimethyl-, chloride	HC Brown No. 1	83803-98-9
1299	Ethanaminium, N-[4-[(4-(diethylamino)phenyl)phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts	N-[4-[(4-(Diethylamino)phenyl)phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethylethanaminium sulphate (1:1)	Basic Green 1	633-03-4
1300	9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)- (CAS No 86722-66-9) and its derivatives and salts	9,10-Anthracenedione, 1,4-diamino-, N,N'-mixed 2-hydroxyethyl and methyl derivatives	Disperse Blue 3	2475-46-9
1303	1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone and its salts	1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone hydrochloride	HC Blue No. 8	22366-99-0
1306	Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, and its salts	Methylene Blue	Basic Blue 9	61-73-4
1307	4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine and its salts	4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine HCl		94082-85-6
1310	4-Diethylamino-o-toluidine (CAS No 148-71-0) and its salts		N,N-Diethyltoluene-2,5-Diamine HCl	2051-79-8
		4-Diethylamino-o-toluidine hydrochloride		24828-38-4
1311	N,N-Diethyl-p-phenylenediamine (CAS No 93-05-0) and its salts		N,N-Diethyl-p-phenylenediamine sulfate (1:1)	6283-63-2
		N,N-Diethyl-1,4-benzenediamine sulfate		6065-27-6
1312	N,N-Dimethyl-p-phenylenediamine (CAS No 99-98-9) and its salts		N,N-Dimethyl-p-phenylenediamine sulfate	6219-73-4
1314	2,4-Diamino-5-methylphenoxyethanol (CAS No 141614-05-3) and its salts		2,4-Diamino-5-methylphenoxyethanol HCl	113715-27-8
1316	Hydroxyethylaminomethyl-p-aminophenol (CAS No 110952-46-0) and its salts		Hydroxyethylaminomethyl-p-aminophenol HCl	135043-63-9

Ref. No.	Chemical name or INCI-name / CAS No.	Examples of a salt		
		Chemical name	INCI-name	CAS No.
1319	2-Nitro-p-phenylenediamine (CAS No 5307-14-2) and its salts		2-Nitro-p-phenylenediamine dihydrochloride	18266-52-9
1322	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl- and its salts	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-, chloride	Basic Red 2	477-73-6
1323	3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid (CAS No 16279-54-2) and its salts	Chromium, 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulphonic acid complex	Acid Black 52	5610-64-0
1326	3-[[4-[(2-Hydroxyethyl)Methylamino]-2-Nitrophenyl]Amino]-1,2-Propanediol (CAS No 173994-75-7) and its salts	3-[[4-[(2-Hydroxyethyl)Methylamino]-2-Nitrophenyl]Amino]-1,2-Propanediol Hydrochloride	HC Blue No. 10	102767-27-1
1327	3-[[4-[Ethyl(2-Hydroxyethyl)Amino]-2-Nitrophenyl]Amino]-1,2-Propanediol (CAS No 114087-41-1) and its salts	3-[[4-[Ethyl(2-Hydroxyethyl)Amino]-2-Nitrophenyl]Amino]-1,2-Propanediol Hydrochloride	HC Blue No. 9	114087-42-2
1328	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts	N-[4-[[4-(Diethylamino)Phenyl][4-(Ethylamino)-1-Naphthalenyl]Methylene]-2,5-Cyclohexadien-1-ylidene]-N-Ethylethanaminium Chloride	Basic Blue 7	2390-60-5