

## List of 123 hair dye substances with an updated safety file

(Updated: February 2010)

| INCI - Name   | CAS No.                                  |
|---|--|
| Toluene-2,5-diamine   | 95-70-5; 615-50-9                        |
| p-Phenylenediamine  | 106-50-3; 624-18-0; 16245-77-5           |
| N-Phenyl-p-phenylenediamine, HCl, sulfate                                     | 101-54-2; 2198-59-6; 4698-29-7           |
| Resorcinol  | 108-46-3                                 |
| 4-Chlororesorcinol  | 95-88-5                                  |
| m-Aminophenol   | 591-27-5; 51-81-0; 68236-81-6            |
| p-Aminophenol   | 123-30-8; 51-78-5 (HCl)                  |
| 1-Naphthol  | 90-15-3                                  |
| 1,5-Naphthalenediol   | 83-56-7                                  |
| 2,7-Naphthalenediol   | 582-17-2                                 |
| p-Methylaminophenol sulfate   | 55-55-0; 1936-57-8; 150-75-6 (base)      |
| Hydroxybenzomorpholine  | 26021-57-8                               |
| 4-Amino-2-hydroxytoluene  | 2835-95-2                                |
| 2-Methyl-5-hydroxyethylaminophenol  | 55302-96-0                               |
| 1,2,4-Trihydroxybenzene   | 533-73-3                                 |
| Phenylmethylpyrazolon   | 89-25-8                                  |
| 2,4-Diaminophenoxyethanol dihydrochloride,sulfate                             | 70643-19-5; 66422-95-5 (HCl); 70643-20-8 |
| 3-Amino-2,4-dichlorophenol HCl  | 61693-42-3                               |
| 2-Methylresorcinol  | 608-25-3                                 |
| N,N-bis(2-hydroxyethyl)-p-phenylenediamine sulfate                            | 54381-16-7                               |
| 2,4,5,6-Tetraaminopyrimidine sulfate  | 5392-28-9;1004-74-6                      |
| 4-Amino-m-cresol  | 2835-99-6                                |
| 6-Amino-m-cresol  | 2835-98-5                                |
| 1,3-Bis-(2,4-diaminophenoxy)-propane, 4 HCl                                   | 74918-21-1; 81892-72-0                   |
| Hydroxyethyl-p-phenylenediamine sulphate                                      | 93841-24-8 (sulfate); 93841-25-9         |
| 2-amino-4-hydroxyethyl aminoanisole sulfate                                   | 83763-48-8 (sulfate); 83763-47-7         |
| 5-Amino-6-chloro-o-cresol   | 84540-50-1; 80419-48-3 (HCl)             |
| Hydroxyethyl-3,4-methylenedioxyaniline HCl                                    | 94158-14-2                               |
| 2,6-Dihydroxy-3,4-dimethylpyridine  | 84540-47-6                               |
| 2,6-Dimethoxy-3,5-pyridinediamine HCl   | 56216-28-5                               |
| Dihydroxyindole   | 3131-52-0                                |
| 5-Amino-4-chloro-o-cresol   | 110102-85-7; 110102-86-8                 |
| Hydroxypropyl bis(N-hydroxyethyl-p-phenylenediamine), HCl                     | 128729-28-2; 128729-30-6                 |
| 6-Hydroxyindole   | 2380-86-1                                |
| 2,3-Indolinedione   | 91-56-5                                  |
| 2-Amino-3-hydroxypyridine   | 16867-03-1                               |
| 2,6-Dihydroxyethylaminotoluene  | 149330-25-6                              |
| 2,5,6-Triamino-4-pyrimidinol sulfate  | 39267-74-8; 35011-47-3; 1603-02-7        |
| Dihydroxyindoline HBr   | 29539-03-5                               |
| 1-Acetoxy-2-methoxynaphthalene  | 27581-07-3                               |
| 1-Hydroxyethyl-4,5-diaminopyrazole sulphate                                   | 155601-30-2                              |
| 2,2'-Methylenebis-4-aminophenol   | 63969-46-0; 27311-52-0, 2HCl             |
| 2-Methyl-1-naphthol   | 7469-77-4                                |
| Quinolinium, 4-formyl-1-methyl-, salt with 4-methylbenzenesulfonic acid (1:1) | 223398-02-5                              |

|   |   |
|---|---|
| Acid Yellow 1                                       | 846-70-8                                |
| Disperse Red 17                                     | 3179-89-3                               |
| Basic Brown 17                                      | 68391-32-2; 370871-30-0 (free base)     |
| Acid Black 1  | 1064-48-8                               |
| 4-Nitro-o-phenylenediamine sulphate (4-NOPD)        | 99-56-9; 68239-82-7(sulfate); 6219-77-8 |
| Picramic Acid                                       | 96-91-3; 831-52-7 (Na)                  |
| HC Red No. 13                                       | 94158-13-1(HCl); 29705-39-3             |
| N,N'-Bis(2-hydroxyethyl)-2-nitro-p-phenylenediamine | 84041-77-0                              |
| HC Red No. 7  | 24905-87-1                              |
| HC Blue No. 2                                       | 33229-34-4                              |
| HC Yellow No. 4                                     | 59820-43-8; 52551-67-4                  |
| HC Yellow No. 2                                     | 4926-55-0                               |
| HC Orange No. 1                                     | 54381-08-7                              |
| HC Red No. 1  | 2784-89-6                               |
| HC Red No. 3  | 2871-01-4                               |
| 4-amino-3-nitrophenol                               | 610-81-1                                |
| 2-Hydroxyethylamino-5-nitroanisole                  | 66095-81-6                              |
| 3-Nitro-p-hydroxyethylaminophenol                   | 65235-31-6                              |
| 3-Methylamino-4-nitrophenoxy-ethanol                | 59820-63-2                              |
| 2-Nitro-5-glyceryl methylaniline                    | 80062-31-3                              |
| HC Violet No 1                                      | 82576-75-8                              |
| HC Orange No.2                                      | 85765-48-6                              |
| HC Yellow No. 9                                     | 86419-69-4;141973-33-3                  |
| 4-Nitrophenyl aminoethylurea                        | 27080-42-8                              |
| HC Red No.10 + HC Red No.11                         | 95576-89-9; 95576-92-4                  |
| 2-Hydroxyethylpicramic acid                         | 99610-72-7                              |
| HC Blue No. 12                                      | 104516-93-0; 132885-85-9                |
| Hydroxyethyl-2-nitro-p-toluidine                    | 100418-33-5                             |
| HC Blue No.11                                       | 23920-15-2                              |
| HC Yellow No. 7                                     | 104226-21-3                             |
| HC Yellow No.10                                     | 109023-83-8                             |
| 4-Amino-2-nitrophenyl-amine-2'-carboxylic acid      | 117907-43-4                             |
| 2-chloro-6-ethylamino-4-nitrophenol                 | 131657-78-8                             |
| HC Violet No.2                                      | 104226-19-9                             |
| 2-Amino-6-chloro-4-nitrophenol                      | 6358-09-4                               |
| 4-Hydroxypropylamino-3-nitrophenol                  | 92952-81-3                              |
| HC Yellow No. 13                                    | 10442-83-8                              |
| 2,6-Diamino-3-((pyridine-3-yl)azo)pyridine          | 28365-08-4                              |
| Basic Orange 69                                     | 226940-14-3                             |
| N-(2-Nitro-4-aminophenyl)-allylamine                | 160219-76-1                             |
| Basic Violet 2                                      | 3248-91-7                               |
| Basic Red 51  | 77061-58-6                              |
| Basic Yellow 87                                     | 68259-00-7                              |
| Basic Orange 31                                     | 97404-02-9                              |
| Basic Red 76  | 68391-30-0                              |
| Basic Brown 16                                      | 26381-41-9                              |
| Basic Yellow 57                                     | 68391-31-1                              |
| Acid Orange 7                                       | 633-96-5                                |
| Acid Red 33   | 3567-66-6                               |
| Acid Yellow 23                                      | 1934-21-0                               |

|  |  |
|--|--|
| Acid Blue 9  | 3844-45-9; 2650-18-2; 68921-42-6   |
| Acid Red 92  | 18472-87-2   |
| Acid Yellow 3  | 8004-92-0; 95193-83-2; 95193-82-1;<br>84473-89-2                           |
| Basic Blue 99  | 68123-13-7   |
| Acid Violet 43   | 4430-18-6  |
| Disperse Violet 1  | 128-95-0   |
| Acid Blue 62   | 4368-56-3  |
| Disperse Black 9   | 20721-50-0   |
| Hydroxyanthraquinoneaminopropylmethyl morpholinium<br>methosulfate | 38866-20-5   |
| Lawsone  | 83-72-7  |
| Lawsonia inermis (syn. Henna)                                      | 84988-66-9   |
| HC Blue No 14  | 99788-75-7   |
| Curry Red  | 25956-17-6   |
| Acid Red 18  | 2611-82-7  |
| Acid Red 52  | 3520-42-1  |
| Acid Green 25  | 4403-90-1  |
| Disperse Blue 377  | 4471-41-4; 67674-26-4; 67701-36-4  |
| Indigofera tinctoria ext. (natural)                                | 84775-63-3   |
| Pigment Red 57   | 5858-81-1  |
| HC Blue 15   | 74578-10-2   |
| Tetrabromophenol Blue  | 4430-25-5  |
| o-Aminophenol  | 95-55-6  |
| 2-Chloro-p-phenylenediamine  | 615-66-7   |
| 3-Amino-2-methylamino-6-methoxypyridine                            | 90817-34-8 (mono hydrochloride salt),<br>83732-72-3 (dihydrochloride salt) |
| 2,6-Diaminopyridine  | 141-86-6   |
| 2-Amino-5-ethylphenol HCl  | 149861-22-3  |
| 2,3-Diaminodihydropyrazolo pyrazolone dimethosulfonate             | 857035-95-1  |
| HC Blue 16   | 502453-61-4  |
| Bismuth Citrate  | 813-93-4   |