

## LIST OF CHEMICALS USED AS DYES IN PERMANENT AND SEMI-PERMANENT HAIR DYES IN AUSTRALIA

The table provides a list of chemicals used as dyes in permanent and semi-permanent hair dyes that are sold in Australia.

NICNAS compiled the list with the valuable assistance of the cosmetics industry in Australia through its representative organisation ACCORD, the Advocate for the Consumer, Cosmetic, Hygiene and Specialty Products Industry ( [www.accord.asn.au](http://www.accord.asn.au) ).

No toxicological or safety assessment of any of the listed chemicals has been undertaken by NICNAS. The list is only a tabulation of substances used, at its publication date. Some of the chemicals are listed in the Office of the Australian Safety and Compensation Council's (OASCC) Hazardous Substance Information System (HSIS) and the hazard classification of these chemicals are indicated in the table.

The data in the table can be used in conjunction with the label details found on hair dye products, to enable consumers to decide if they wish to avoid using products which contain particular chemical(s).

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The column headings are described as follows:

IUPAC Chemical Name: The name of the chemical assigned according to the rules of the International Union of Pure and Applied Chemistry. Details available from <http://www.chem.qmul.ac.uk/iupac/> .

European INCI names: The 1st. update of the Inventory of Ingredients Employed in Cosmetic Products (Section 1) 9 June 2000 downloaded from [http://europa.eu.int/comm/food/fs/sc/sccp/out123cm\\_en.pdf](http://europa.eu.int/comm/food/fs/sc/sccp/out123cm_en.pdf)

US INCI names: International Cosmetic Ingredient Dictionary and Handbook 10<sup>th</sup> edition 2004, Gottschalck, TE & McEwen GN Jr. Eds  
The Cosmetic Toiletry and Fragrance Association. Washington, D.C. United States of America

CAS No: An international identification number assigned to the chemical by the Chemical Abstracts Service of the American Chemical Society. Available by subscription from <http://www.cas.org/>

CI Number: An international classification for dyes and pigments published by The Society of Dyers and Colourists, Bradford, United Kingdom. Available by subscription at <http://www.sdc.org.uk/publications/ci4intro.htm> . The letter NI in the column indicate that a Colour Index number was not identified.

EINECS/ELINCS Number: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances, available from the European Chemical Substances Information System at <http://ecb.jrc.it/esis/>

Cat: The category of hair dye. P – permanent; SP – semi-permanent

EU List: Indicates whether the chemical is used in hair dyes in the European Union based on data provided by the Australian industry.

SUSDP Listing: The entry in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) under which the chemical is included. The SUSDP is the decisions of the National Drugs and Poisons Schedule Committee, regarding classification of drugs and poisons into Schedules for inclusion in the relevant legislation of the States and territories. Available by subscription from <http://www.tga.gov.au/ndpsc/index.htm>

OASCC HSIS Classification: Office of the Australian Safety and Compensation Council Hazardous Substances Information System classification of the chemical, based on the National Occupational Health and Safety Commission Approved Criteria for Classifying Hazardous Substances, available at [http://www.ascc.gov.au/NR/rdonlyres/C3F31984-D009-415E-A5BA-F6CD5638A7EF/0/approved\\_criteriaNOHSC1008\\_2004.pdf](http://www.ascc.gov.au/NR/rdonlyres/C3F31984-D009-415E-A5BA-F6CD5638A7EF/0/approved_criteriaNOHSC1008_2004.pdf) . HSIS accessed at <http://www.nohsc.gov.au/applications/hsis/>

Item No.	IUPAC Chemical Name	EU INCI Chemical Name (E) US INCI chemical Name (A)	CAS No	CI No.	EINECS/ ELINCS Number	Cat.	EU List	SUSDP Listing	OASCC HSIS CLASSIFICATION
1	1,7-dihydroxyaphthalene	(E) Not listed (A) 1,7, Napthalenediol	575-38-2	76635	209-383-0	P	Yes	Not captured	Not classified
2	1,3-diaminobenzene	(E) m-Phenylenediamine (A) Same as on EU INCI	108-45-2	76025	203-584-7	P	Yes	PHENYLENEDIAMINES	R23/24/25; R43
3	1-methyl-2,5-diaminobenzene	(E) Toluene-2,5-Diamine (A) Same as on EU INCI	95-70-5	76042	202-442-1	P	Yes	TOLUENEDIAMINE	Not classified
4	1,4-diaminobenzene	(E) p-Phenylenediamine (A) Same as on EU INCI	106-50-3	76060	203-404-7	P	Yes	PHENYLENEDIAMINES	R23/24/25; R43
5	1,3-Dihydroxybenzene	(E) Resorcinol (A) Same as on EU INCI	108-46-3	76505	203-585-2	P	Yes	Not captured	R22
6	1,3-Benzenediol, 4-chloro-	(E) 4-Chlororesorcinol (A) Same as on EU INCI	95-88-5	76510	202-462-0	P	Yes	Not captured	Not classified
7	1-Hydroxy-2-aminobenzene	(E) o-Aminophenol (A) Same as on EU INCI	95-55-6	76520	202-431-1	P	Yes	Not captured	R20/22; R40; Mutagen Cat 3
8	Phenol, 3-amino-	(E) m- Aminophenol (A) Same as on EU INCI	591-27-5	76545	209-711-2	P	Yes	Not captured	R20/22
9	1-Hydroxy-4-aminobenzene	(E) p- Aminophenol (A) Same as on EU INCI	123-30-8	76550	204-616-2	P	Yes	Not captured	R20/22; R40; Mutagen Cat 3
10	1-Hydroxynaphthalene	(E) 1- Naphthol (A) Same as on EU INCI	90-15-3	76605	201-969-4	P	Yes	Not captured	R21/22 R37/38-41
11	1,5-Dihydroxynaphthalene	(E) 1,5-Napthalendiol (A) Same as on EU INCI	83-56-7	76625	201-487-4	P	Yes	Not captured	Not classified
12	2,7-Dihydroxynaphthalene	(E) 2,7- Napthalendiol (A) Same as on EU INCI	582-17-2	76645	209-478-7	P	Yes	Not captured	Not classified

13	1,4-Dihydroxybenzene	(E) Hydroquinone (A) Same as on EU INCI	123-31-9	NI	204-617-8	P	Yes	HYDROQUINONE	R20/22
14	1-Hydroxy-4-methylaminobenzene	(E) p-Methylaminophenol (A) Same as on EU INCI	150-75-4	NI	205-768-2	P	Yes	Not captured	Not classified
15	6-Hydroxybenzomorpholine	(E)Hydroxybenzomorpholine (A) Same as on EU INCI	26021-57-8	NI	247-415-5	P	Yes	Not captured	Not classified
16	1-Methyl-2-hydroxy-4-aminobenzene	(E) 4-Amino-2-Hydroxytoluene (A)Same as on EU INCI	2835-95-2	NI	220-618-6	P	Yes	Not captured	Not classified
17	1-Methyl-2-hydroxy-4-(2'-hydroxyethyl)aminobenzene	(E) 2-Methyl-5-Hydroxyethyl Aminophenol (A) Same as on EU INCI	55302-96-0	NI	259-583-7	P	Yes	Not captured	Not classified
18	1-Phenyl-3-methylpyrazol-5-on	(E) Phenyl Methyl Pyrazolone (A) Same as on EU INCI	89-25-8	NI	201-891-0	P	Yes	Not captured	Not classified
19	1-(2'-Hydroxyethyloxy)-2,4-diaminobenzene hydrochloride	(E) 2,4-Diaminophenoxyethanol HCl (A) Same as on EU INCI	66422-95-5	NI	266-357-1	P	Yes	Not captured	Not classified
20	1,3-Dihydroxy-2-methylbenzene	(E) 2-Methylresorcinol (A) Same as on EU INCI	608-25-3	NI	210-155-8	P	Yes	Not captured	Not classified
21	1-Amino-4-bis-(2'-hydroxyethyl)aminobenzene sulfate	(E) N,N-Bis(2-Hydroxyethyl)-P-Phenylenediamine Sulfate (A) Same as on EU INCI	54381-16-7	NI	259-134-5	P	Yes	Alkylated PHENYLENEDIAMINES	Not classified
22	1-Hydroxy-3-methyl-4-aminobenzene	(E) 4-Amino-m-cresol (A) Same as on EU INCI	2835-99-6	NI	220-621-2	P	Yes	Not captured	Not classified
23	1-Hydroxy-2-amino-5-methylbenzene	(E) 6-amino-m-cresol (A) Same as on EU INCI	2835-98-5	NI	220-620-7	P	Yes	Not captured	Not classified
24	1-(2'-Hydroxyethyl)2,5-diaminobenzene sulfate	(E) Hydroxyethyl-p-phenylenediamine Sulfate (A) Same as on EU INCI	93841-25-9	NI	298-995-1	P	Yes	Not captured	Not classified
25	1-Methoxy-2-amino-4-(2'-hydroxyethylamino)benzene	(E) 2-Amino-4-Hydroxyethylaminoanisole (A) Same as on EU INCI	83763-47-7	NI	280-733-2	P	Yes	Not captured	Not classified

26	3,5-Pyridinediamine, 2,6-dimethoxy-, dihydrochloride	(E) 2,6-Dimethoxy 3,5-Pyridinediamine HCl (A) Same as on EU INCI	56216-28-5	NI	260-062-1	P	Yes	Not captured	Not classified
27	4-Amino-2-aminomethylphenol HCl	(E) Not listed (A) 2-Aminomethyl-p-aminophenol HCl	79352-72-0	NI	Not listed	P	Yes	Not captured	Not classified
28	6-Hydroxyindole	(E) Not listed (A) 6-Hydroxyindole	2380-86-1	NI	Not listed	P	Yes	Not captured	Not classified
29	2,3-Indolinedione	(E) Not listed (A) Isatin	91-56-5	NI	202-077-8	P	Yes	Not captured	Not classified
30	2-Amino-3-hydroxypyridine	(E) 2-Amino-3-Hydroxypyridine (A) Same as on EU INCI	16867-03-1	NI	240-886-8	P	Yes	Not captured	Not classified
31	2,4-Dinitro-3'-sulfo-4'-phenylaminodiphenylamine	(E) Acid Orange 3 (A) Same as on EU INCI	6373-74-6	10385	228-921-5	NI	NO	Not captured	Not classified
32	1-(4'-Nitrophenylazo)-2-methyl-4-bis-(beta-hydroxyethyl)aminobenzene	(E) Disperse Red 17 (A) Same as on EU INCI	3179-89-3	11210	221-665-5	SP	Yes	Not captured	Not classified
33	Mixture of 1-(3-Nitro-4-amino)-phenylazo-2-hydroxy-7-trimethylammoniumchloride naphthalene and 1-(2'-nitro-4'-amino)-phenylazo-2-hydroxy-7-trimethylammoniumchloride naphthalene	(E) Basic Brown 17 (A) Basic Brown 17 (CAS No. 68391-32-3)  Basic Red 118 (CAS No. 71134-97-9)	68391-32-2 (97%)  71134-97-9 (3%)	12251	269-944-0  275-216-3	SP	Only 71134-listed in the EU;  NOT 68391-	Not captured	Not classified
34	1-Amino-2-(4'-nitrophenylazo)-7-phenylazo-8-hydroxynaphthalene-3,6-disulfonic acid, Disodium salt	(E) CI 20470 also Acid Black 1 (A) CI 20470 also Acid Black 1, Kuro401	1064-48-8	20470	213-903-1	SP	Yes	Not captured	Not classified
35	1-Amino-4-methylaminoanthraquinone	(E) Disperse Violet 4 (A) Same as on EU INCI	1220-94-6	61105	214-944-8	SP	NO	Not captured	Not classified

36	1,2-Diamino-4-nitrobenzene	(E) 4-Nitro-o-Phenylenediamine (A) Same as on EU INCI	99-56-9	76020	202-766-3	SP	Yes	Not captured	Not classified
37	1,4-Diamino-2-nitrobenzene	(E) 2-Nitro-p-Phenylenediamine (A) Same as on EU INCI	5307-14-2	76070	226-164-5	SP	Yes	Not captured	Not classified
38	1-Hydroxy-2-amino-4,6-dinitrobenzene	(E) picramic acid (A) Same as on EU INCI	96-91-3	76540	202-544-6	SP/P	Yes	Not captured	R20/21/22
39	1,4-Bis-(2'-Hydroxyethyl)-amino-2-nitrobenzene	(E) N,N'-Bis(2-Hydroxyethyl)-2-Nitro-P-Phenylenediamine (A) Same as on EU INCI	84041-77-0	NI	281-856-4	SP	Yes	Not captured	Not classified
40	1-Amino-2-(b-hydroxyethyl)-amino-5-nitrobenzene	(E) HC Yellow No. 5 (A) Same as on EU INCI	56932-44-6	NI	260-450-0	SP/P	NO	Not captured	Not classified
41	Ethanol, 2-[(4-amino-3-nitrophenyl)amino]-	(E) HC Red No. 7 (A) Same as on EU INCI	24905-87-1	NI	246-521-9	SP	Yes	Not captured	Not classified
42	Ethanol, 2,2'-[[4-[(2-hydroxyethyl)amino]-3-nitrophenyl]imino]bis-	(E) HC Blue no. 2 (A) Same as on EU INCI	33229-34-4	NI	251-410-3	SP/P	Yes	Not captured	Not classified
43	N, O-Di(hydroxyethyl)-2-amino-5-nitrophenol	(E) Not listed (A) HC Yellow No. 4	59820-43-8	NI	428-840-7	SP	Yes	Not captured	Not classified
44	1-(2'-Hydroxyethyl)amino-2-nitrobenzene	(E) HC Yellow No. 2 (A) Same as on EU INCI	4926-55-0	NI	225-555-8	SP	Yes	Not captured	Not classified
45	2-Nitro-4'-hydroxydiphenylamine	(E) HC Orange No. 1 (A) Same as on EU INCI	54381-08-7	NI	259-132-4	SP	Yes	Not captured	Not classified
46	2-Nitro-4-aminodiphenylamine	(E) HC Red No. 1 (A) Same as on EU INCI	2784-89-6	NI	220-494-3	SP	Yes	Not captured	Not classified
47	2-Chloro-5-nitro-n-hydroxyethyl-p-phenylenediamine	(E) 2-Chloro-5-Nitro-n-Hydroxyethyl-p-Phenylenediamine (A) Same as on EU INCI	50610-28-1	NI	256-652-3	SP/P	Yes	Not captured	Not classified

48	1-(2-Hydroxyethyl)amino-2-nitro-4-aminobenzene	(E) HC Red No 3 (A) Same as on EU INCI	2871-01-4	NI	220-701-7	SP/P	Yes	Not captured	Not classified
49	1-Hydroxy-3-nitro-4-aminobenzene	(E) 4-Amino-3-Nitrophenol (A) Same as on EU INCI	610-81-1	NI	210-236-8	SP/P	Yes	Not captured	Not classified
50	1-methoxy-2-(2-hydroxyethyl)-amino-5-nitrobenzene	(E) 2-Hydroxyethylamino-5-Nitroanisole (A) Same as on EU INCI	66095-81-6	NI	266-138-0	SP	Yes	Not captured	Not classified
51	1-Hydroxy-3-nitro-4-(2'-hydroxyethyl)aminobenzene	(E) 3-Nitro-p-Hydroxyethylaminophenol (A) Same as on EU INCI	65235-31-6	NI	265-648-0	SP/P	Yes	Not captured	Not classified
52	1-Hydroxy-2-amino-3-nitrobenzene	(E) 2-Amino-3-Nitrophenol (A) Same as on EU INCI	603-85-0	NI	210-060-1	SP	Yes	Not captured	Not classified
53	1-Amino-2-methyl-6-nitrobenzene	(E) 6-Nitro-o-Toluidine (A) Same as on EU INCI	570-24-1	NI	209-329-6	SP	Yes	Not captured	Not classified
54	1-(2'-Hydroxyethyl)oxy-3-methylamino-4-nitrobenzene	(E) 3-Methylamino-4-Nitrophenoxyethanol (A) Same as on EU INCI	59820-63-2	NI	261-940-7	SP	Yes	Not captured	Not classified
55	1-Methylamino-2-nitro-5-(2',3'-dihydroxypropyl)oxybenzene	(E) 2-Nitro-5-Glyceryl Methylamine (A) Same as on EU INCI	80062-31-3	NI	279-383-3	SP	Yes	Not captured	Not classified
56	1-(2'-Hydroxyethyl)amino-2-hydroxy-4-nitrobenzene	(E) HC Yellow No. 11 (A) Same as on EU INCI	73388-54-2	NI	Not listed	SP	Yes	Not captured	Not classified
57	1-Amino-3-methyl-4(2-hydroxyethyl)amino-6-nitrobenzene	(E) HC Violet No. 1 (A) Same as on EU INCI	82576-75-8	NI	Not listed	SP	Yes	Not captured	Not classified
58	1,2-Ethanediamine, N-(5-methoxy-2-nitrophenyl)-, monohydrochloride	(E) HC Yellow No. 9 (A) Same as on EU INCI	86419-69-4	NI	Not listed	SP	Yes	Not captured	Not classified
59	1-(2'-Ureldoethyl)amino-4-nitrobenzene	(E) 4-Nitrophenyl Aminoethylurea (A) Same as on EU INCI	27080-42-8	NI	410-700-1	SP/P	Yes	Not captured	Not classified

60	Mixture of 1,2-Propanediol, 3-[(4-amino-2-chloro-5-nitrophenyl)amino]- and 1,2-Propanediol, 3,3'-[(2-chloro-5-nitro-1,4-phenylene)diimino]bis-	(E) HC Red 10 and HC Red 11 (A) HC Red 10 (CAS No. 95576-89-9) HC RED 11 (CAS No. 95576-92-4)	95576-89-9 95576-92-4	NI	408-240-1 (mixture)	SP/P	Yes	Not captured	Not classified
61	Ethanol, 2-[4-[ethyl[(2-hydroxyethyl)amino]-2-nitrophenyl]amino]-hydrochloride	(E) HC Blue No. 12 (A) Not listed	104516-93-0 132885-85-9	NI	ELINCS 407-020-2	SP	Yes	Not captured	Not classified
62	1-Hydroxy-2-(2'-hydroxyethylamino)-4,6-dinitrobenzene	(E) 2-Hydroxyethyl Picramic Acid (A) Same as on EU INCI	99610-72-7	NI	412-520-9	SP/P	Yes	Not captured	Not classified
63	4-(2',3'-Dihydroxypropyl)amino-3-nitrotrifluoromethylbenzene	(E) HC Yellow No. 6 (A) Same as on EU INCI	104333-00-8	NI	410-010-0	SP/P	Yes	Not captured	Not classified
64	1-Methyl-3-nitro-4-(2'-hydroxyethyl)aminobenzene	(E) Hydroxyethyl-2-Nitro-p-Toluidine (A) Same as on EU INCI	100418-33-5	NI	408-090-7	SP/P	Yes	Not captured	Not classified
65	1-Chloro-3-nitro-4-(2'-hydroxyethyl)aminobenzene	(E) Not listed (A) HC Yellow No. 12	59320-13-7	NI	413-280-8	SP/P	Yes	Not captured	Not classified
66	1-(4'-Aminophenylazo)-2-methyl-4-bis(2'-hydroxyethyl)aminobenzene	(E) HC Yellow No. 7 (A) Not listed	104226-21-3	NI	Not listed	SP	Yes	Not captured	Not classified
67	2-Chloro-6-ethylamino-1-hydroxy-4-nitrobenzene	(E) 2-Chloro-6-Ethylamino-4-Nitrophenol (A) Same as on EU INCI	131657-78-8	NI	411-440-1	SP/P	Yes	Not captured	Not classified
68	2,5-Diamino-6-nitropyridine	(E) 6-Nitro-2,5-Pyridinediamine (A) Same as on EU INCI	69825-83-8	NI	Not listed	SP	Yes	Not captured	Not classified
69	2-Amino-6-chloro-4-nitrophenol	(E) 2-Amino-6-Chloro -4-Nitrophenol (A) Same as on EU INCI	6358-09-4	NI	228-762-1	SP/P	Yes	Not captured	Not classified

70	1-Hydroxy-3-nitro-4-(3-hydroxypropylamino)benzene	(E) 4-Hydroxypropyl Amino-3- Nitrophenol (A) Same as on EU INCI	92952-81-3	NI	406-305-9			Not captured	Not classified
71	Arianor bordeaux	(E) Basic Brown 17 <i>(INCI is incorrect, should be Basic Red 118)</i> (A) Basic Red 118	71134-97-9	12251:1	275-216-3	SP/P	Yes	Not captured	Not classified
72	1H-Imidazolium,2-[[4-(dimethylamino)phenyl]azo]-1,3-dimethyl-,chloride	(E) Not listed (A) Basic Red 51	77061-58-6	NI	278-601-4	SP/P	Yes	Not captured	Not classified
73	Pyridinium, 1-methyl-4-[(methylphenylhydrazono)methyl]-, methyl sulfate	(E) Not listed (A) Basic Yellow 87	68259-00-7	NI	269-503-2	SP/P	Yes	Not captured	Not classified
74	1H-Imidazolium, 2-[(4-aminophenyl)azo]-1,3-dimethyl,chloride	(E) Not listed (A) Basic Orange 31	97404-02-9	NI	306-764-4	SP/P	Yes	Not captured	Not classified
75	5-(4'-dimethylaminophenylazo)-1,4-dimethyl-triazolium chloride	(E) Basic Red 22 (A) Same as on EU INCI	12221-52-2	11055	245-718-7	NI	NO	Not captured	Not classified
76	1-(2'-Methoxyphenylazo)-2-hydroxy-7-trimethyl-ammoniumnaphthalene-chloride	(E) Basic Red 76 (A) Same as on EU INCI	68391-30-0	12245	269-941-4	SP/P	Yes	Not captured	Not classified
77	1-(4'-Amino-phenylazo)-2-hydroxy-7-trimethylammoniumnaphthalene	(E) Basic Brown 16 (A) Same as on EU INCI	26381-41-9	12250	247-640-9	SP	Yes	Not captured	Not classified
78	3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-N,N,N-trimethylanilinium chloride	(E) Basic Yellow 57 (A) Same as on EU INCI	68391-31-1	12719	269-943-5	SP	Yes	Not captured	Not classified
79	7-(2',4'-Dimethyl-5'-sulfophenylazo)-5-sulfo-8-hydroxynaphthalene	(E) CI 14700 (A) Ponceau SX	4548-53-2	14700	224-909-9	NI	Yes	Not captured	Not classified

80	1-(4'-Sulfophenylazo)-2-hydroxy-naphthalene	(E) CI 15510 (A) Acid Orange 7 also CI 15510, Daidai 205, Orange 4	633-96-5	15510	211-199-0		SP	Yes	Not captured	Not classified
81	7-Phenylazo-1-amino-3,6-disulfo-8-hydroxy-naphthalene	(E) CI 17200 (A) Acid Red 33 also CI 17200, Aka 227, Red 33	3567-66-6	17200	222-656-9		P	Yes	Not captured	Not classified
82	7-(6'-Methylphenylazo)-1-acetamido-3,6-disulfo-8-hydroxy-naphthalene	(E) Acid Red 35 (A) Same as on EU INCI	6441-93-6	18065	229-231-7		NI	Yes	Not captured	Not classified
83	4-(4'-Sulfo-1-phenylazo)-1-(4-sulfophenyl)-3-carboxy-5-hydroxy-pyrazolone	(E) Acid Yellow 23 (A) Same as on EU INCI also Ki4, Yellow 5	1934-21-0	19140	217-699-5		SP/P	Yes	Not captured	Not classified
84	4,4'-Bis-(N(Ethyl, 3 sulfobenzyl)-amino-2-sulfofuchsonium	(E) CI 42090 (A) Same as on EU INCI also Acid Blue 9, Ao1, 85Ao205, Blue 1	3844-45-9	42090	223-339-8		NI	Yes	Not captured	Not classified
85	4',4',4'-Triamino-2-methyl-triphenylcarbeniumchloride	(E) CI 42510 (A) Same as on EU INCI also Basic Violet 14	632-99-5	42510	211-189-6		SP/P	Yes	Not captured	Not classified
86	Bis-4,4'-Diethylaminophenyl-4-ethylaminonaphthyl-carbenium chloride	(E) Basic Blue 7 (A) Same as on EU INCI	2390-60-5	42595	219-232-0		SP/P	Yes	Not captured	Not classified
87	Bis-4,4'-Dimethylaminophenyl-4-phenylaminonaphthyl-carbenium chloride	(E) Basic Blue 26 (A) Same as on EU INCI	2580-56-5	44045	219-943-6		NI	Yes	Not captured	Not classified
88	Sodium salt of mixture of mono- & disulfonic acids (mainly the latter) of quinophthlanone or 2-quinolyindandione	(E) CI 47005 (A) Same as on EU INCI also Acid Yellow 3, Ki203, Yellow 10	8004-92-0 (react. prod) 95193-83-2 (chemical)	47005	Not listed 305-897-5		SP	Yes	Not captured	Not classified

89	2,8-Dimethyl-3,7-diamino-5-phenylphenazinium-chloride	(E) Basic Red 2 (A) Same as on EU INCI	477-73-6	50240	207-518-8	P	NO	Not captured	Not classified
90	2-Bromo-4,8-diamino-6-(3-trimethylammonium)-phenylamino-1,5-naphthoquinone	(E) Basic Blue 99 (A) Same as on EU INCI	68123-13-7	56059	268-544-3	SP	Yes	Not captured	Not classified
91	1-Amino-4-hydroxy-anthraquinone	(E) Disperse Red 15 (A) Same as on EU INCI	116-85-8	60710	204-163-0	NI	Yes	Not captured	Not classified
92	1-(2'-Sulfo-4'-methylphenyl)-amino-4-hydroxy-anthraquinone	(E) Acid Violet 43 (A) Same as on EU INCI also Ext. Violet 2, Murasaki 401	4430-18-6	60730	224-618-7	SP	Yes	Not captured	Not classified
93	1,4-Diaminoanthraquinone	(E) Disperse Violet 1 (A) Same as on EU INCI	128-95-0	61100	204-922-6	SP/P	Yes	Not captured	Not classified
94	1-Amino-2-sulfo-4-cyclohexylamino-anthraquinone	(E) Acid Blue 62 (A) Same as on EU INCI	4368-56-3	62045	224-460-9	NI	Yes	Not captured	Not classified
95	4-Bis-(2-Hydroxyethylamino)-4'-amino-benzene Ethanol, 2,2'-[[4-(4-amino-phenyl)azo]phenyl]imino]bis	(E) Disperse Black 9 (A) Same as on EU INCI	20721-50-0	111301	243-987-5	SP	Yes	Not captured	Not classified
96	1-(N-Methylmorpholnium-propylamino)-4-hydroxy-anthraquinone methylsulfate	(E) Hydroxyanthraquinone Aminopropyl Methyl Morpholinium Methosulfate (A) Same as on EU INCI	38866-20-5	NI	254-161-9	SP	Yes	Not captured	Not classified
97	1-Methylamino-4-amino-propylamino-anthraquinone	(E) HC Blue No. 8 (A) Same as on EU INCI	22366-99-0	NI	244-938-0	NI	Yes	Not captured	Not classified
98	1-Gamma-amino-propylamino-anthraquinone	(E) Not listed (A) HC Red NO. 8	13556-29-1	NI	Not listed	SP	Yes	Not captured	Not classified
99	2-Hydroxy-1,4-naphthoquinone	(E) Henna (A) Lawsone	83-72-7	74580	201-496-3	NI	Yes	Not captured	Not classified

100	6-Hydroxy-5-[(2-methoxy-5-methyl-4-sulfo-phenyl)azo]-2-naphthalensulfonic acid, disodium salt	(E) CI 16035 (A) Same as on EU INCI also Curry Red, Red 40	25956-17-6	16035	247-368-0	SP	Yes	Not captured	Not classified
101	7-Hydroxy-8-[(4-sulfo-1-naphthalenyl)azo]-1,3-naphthlenedisulfonic acid, trisodium salt	(E) CI 16255 (A) Same as on EU INCI also Acid Red 18, Aka102	2611-82-7	16255	220-036-2	SP	Yes	Not captured	Not classified
102	4,4'-Bis-(N(Ethyl,3 sulfobenzyl)-amino-2-sulfo-4-hydroxy-fuchsonlum, Disodium salt	(E) CI 42053 (A) Same as on EU INCI also Fast Green FCF, Green 3, Midori3	2353-45-9	42053	219-091-5	NI	NO	Not captured	Not classified
103	Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt	(E) CI 45100 (A) Same as on EU INCI also, Acid Red 52, Aka106	3520-42-1	45100	222-529-8	NI	Yes	Not captured	Not classified
104	1,4 Di-[-(2'-sulfo-4'-methylphenyl)-amino]-anthraquinone	(E) CI 61570 (A) Same as on EU INCI also Acid Green 25, Green 5, Midori201	4403-90-1	61570	224-546-6	NI	Yes	Not captured	Not classified
105	1-Hydroxyethyl-4,5-diamino pyrazole sulfate.	(E) Not listed (A) 1-Hydroxyethyl 4,5-Diamino Pyrazole Sulfate	155601-30-2	NI	429-300-3	P	Yes	Not captured	Not classified
106	(3-ammonio-4-methoxyphenyl)(2-hydroxyethyl)ammonium sulphate.	(E) 2-Amino-4-Hydroxyethylaminoanisole Sulfate (A) Same as on EU INCI	83763-48-8	NI	280-734-8	P	No (Base Yes)	Not captured	Not classified
107	2-(1,3-benzodioxol-5-ylamino)ethanol hydrochloride	(E) Hydroxyethyl-3,4-Methylenedioxyaniline HCl (A) Same as on EU INCI	94158-14-2	NI	303-085-5	SP/P	No (Base Yes)	Not captured	Not classified
108	3,4-(methylenedioxy)phenol.	(E) 3,4-Methylenedioxyphenol (A) Same as on EU INCI	533-31-3	NI	208-561-5	P	Yes	Not captured	Not classified

109	4,4'-[propane-1,3-diylbis(oxy)]bisbenzene-1,3-diamine tetrahydrochloride	(E) Not listed (A) 1, 3-Bis-(2,4-Diaminophenoxy)propane HCl	81892-72-0 or 74918-21-1	NI	278-022-7	P	No (Base Yes)	Not captured	Not classified
110	2-Chloro-6-methyl-3-aminophenol HCl	(E) Not listed (A) Not listed	80419-48-3	NI	283-144-9	P	Yes	Not captured	Not classified
111	2,2'-[(4-amino-3-nitrophenyl)imino]bisethanol hydrochloride.	(E) HC Red No. 13 (A) Same as on EU INCI	94158-13-1	NI	303-083-4	SP	Yes	Not captured	Not classified
112	2,4,5,6-Tetraaminopyrimidine Sulfate	(E) Not listed (A) Tetraaminopyrimidine sulfate	49647-58-7 5392-28-9	NI	256-407-0	P	Yes	Not captured	Not classified
113	2,6-dihydroxy-3,4-dimethylpyridine	(E) Not listed (A) 2,6-Dihydroxy-3,4-Dimethylpyridine	84540-47-6	NI	283-141-2	P	Yes	Not captured	Not classified
114	Ethanol, 2,2'-[(2-nitro-1,4-phenylene)diimino]bis-	(E) Not listed (A) Not listed	84041-77-0	NI	Not listed	P	Yes	Not captured	Not classified
115	1,4-benzenediamine, 2-nitro-n(1)-(2-carboxyphenyl)-	(E) 4-Amino-2-Nitrodiphenylamine-2'-Carboxylic Acid (A) Same as on EU INCI	117907-43-4	NI	411-260-3	P	Yes	Not captured	Not classified
117	Phenol, 2-aminomethyl-4-amino-, dihydrochloride	(E) 2-Aminomethyl-p-Aminophenol HCl (A) Same as on EU INCI	135043-64-0	NI	412-510-4	P	Yes	Not captured	Not classified
118	Benzene-1,4-diamine dihydrochloride	(E) p-Phenylenediamine HCl (A) Same as on EU INCI	624-18-0	76061	210-834-9	NI	NO (Base Yes)	PHENYLENEDIAMINES	R23/24/24; R43
119	4-amino-3-nitrophenol	(E) 4-Amino-3-Nitrophenol (A) Same as on EU INCI	610-81-1	NI	210-236-8	SP/P	Yes	Not captured	Not classified
122	Benzene-1,3-diammonium sulphate	(E) m-Phenylenediamine Sulfate (A) Same as on EU INCI	541-70-8	76025	208-791-6	NI	NO (Base Yes)	PHENYLENEDIAMINES	Not classified
125	2,5,6-triaminopyrimidin-4-ol sulphate	(E) Not listed (A) 2,5,6-triamino-4-Pyrimidinol sulfate	1603-02-7 39267-74-8	NI	216-500-9 254-393-0	P	Yes	Not captured	Not classified

126	2-amino-6-chloro-4-nitrophenol monohydrochloride	(E) Not listed (A) Not listed	62625-14-3	NI	263-645-9	SP	NO (Base Yes)	Not captured	Not classified
127	4-[(4-amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride	(E) CI 42520 (A) Same as on EU INCI also Basic Violet 2	3248-91-7	42520	221-831-7	SP/P	Yes	Not captured	Not classified
128	9,10-Anthracenedione, 1,4-diamino-, N,N'-mixed 2-hydroxyethyl and Methyl derivs	(E) Disperse Blue 3 (A) Same as on EU INCI	2475-46-9	61505	219-604-2	SP	Yes	Not captured	Not classified
130	Sodium 2-amino-4,6-dinitrophenoxide.	(E) Sodium Picramate (A) Same as on EU INCI	831-52-7	NI	212-603-8	NI	NO Base Yes)	Not captured	Not classified
131	2-methyl-p-phenylenediamine sulphate	(E) Toluene-2,5-Diamine Sulfate (A) Same as on EU INCI	615-50-9	76043	210-431-8	P	No (Base Yes)	TOLUENEDIAMINE	R25; R20/21; R43
134	4,4'-[1,3-propanediylbis(oxy)]bisbenzene-1,3-diamine	(E) 1,3-Bis-(2,4-Diaminophenoxy)propane (A) Same as on EU INCI	81892-72-0	NI	279-845-4	P	Yes	Not captured	Not classified
135	1-(3-Hydroxypropylamino) -4-bis-(2-hydroxyethylamino)benzene HCl	(E) (A) Hydroxypropyl Bis(N-hydroxyethyl-p-Phenylenediamine HCl	128729-28-2	NI	Not Listed	P	Yes	Not captured	Not classified
136	3-amino-2-chloro-6-methylphenol	(E) (A) 5-Amino-6-Chloro-o-Cresol	84540-50-1	NI	283-144-9	P	NO (Salt Yes)	Not captured	Not classified
137	1,3-diamino-4-(2-hydroxyethoxy)benzene sulphate	(E) (A) 2,4-Diaminophenoxyethanol sulfate	70643-20-8	NI	274-713-2	P	NO (Salt Yes)	Not captured	Not classified
138	9,10-Anthracenedione, 1,4-dihydroxy-5,8-bis[(2-hydroxyethyl)amino]-	(E) (A) Disperse Blue No 7	3179-90-6	62500	221-666-0	NI	NO	Not captured	Not classified

139	1,5-di-(2-hydroxyethyl)-amino-2-nitro-4-chlorobenzene	(E) (A) HC Yellow No 10	109023-83-8	NI	not listed		SP	Yes	Not captured	Not classified
140	1-(3-Hydroxypropylamino)-2-nitro-4-bis-(2-hydroxyethylamino)benzene	(E) (A) HC Violet No 2	104226-19-9	NI	ELINCS 410-910-3		SP	Yes	Not captured	Not classified
141	1,4-Bis-(2,3-dihydroxypropyl)-amino-anthraquinone	(E) (A) HC Blue No 14	99788-75-7	NI	not listed		NI	Yes	Not captured	Not classified
142	2,6-Diamino-3-((pyridine-3-yl)azo)pyridine	(E) 2,6-Diamino-3-((pyridin-3-yl)azo)pyridine (A) Same as on EU INCI	28365-11-9 28365-08-4	NI	ELINCS 421-430-9		SP	Yes	Not captured	Not classified
143	2-[2-Nitro-4-(trifluoromethyl)phenylamino]ethanol	(E) HC Yellow No.13 (A) Same as on EU INCI	10442-83-8	NI	not listed		SP	Yes	Not captured	Not classified
144	Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate	E) CI 10316 A) Acid Yellow 1	846-70-8	10316	212-690-2		SP	Yes	Not captured	Not classified
145	3,4,5,6-Tetrachloro-2-(1,4,5,8-Tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid	E) CI 45410 A) Acid Red 92	18472-87-2	45410	242-355-6		SP	Yes	Not captured	Not classified
146	Disodium-3-hydroxy-4-[4-methyl-2-sulphonatophenylazo]-2-Naphthoate	E) CI 15850 A) Pigment Red 57	5858-81-1	15850	227-497-9		SP	Yes	Not captured	Not classified
147	4,4'-(4,5,6,7-tetrabromo-3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromophenol]S,S-dioxide	E) Tetrabromophenol Blue (A) Same as on EU INCI	4430-25-5	NI	224-622-9		SP	Yes	Not captured	Not classified
148	4-[(2,6-dichlorophenyl)(4-imino-3,5-dimethylcyclohexa-2,5-dien-1-ylidene)methyl]-2,6-xylylidine phosphate (1:1)	E) HC Blue No.15 (A) Same as on EU INCI	74578-10-2	NI	277-929-5		SP	Yes	Not captured	Not classified

149	Phenol, 3-amino-2,4-dichloro-hydrochloride	(E) (A) 3-Amino-2,4-dichlorophenol HCl	Base is 61693-42-3	NI	Base is 262-909-0	P	Yes	Not captured	Not classified
150	Phenol, 2-amino-4-chloro-	(E) (A) 4-Chloro-2-aminophenol	95-85-2	76525	202-458-9	NI	NO	Not captured	Not classified
151	Ethanol, 2,2'-[(2-methyl-1,3-phenylene)diimino]bis-	(E) (A) 2,6-Dihydroxyethylaminotoluene	149330-25-6	NI	not listed	P	Yes	Not captured	Not classified
152	6-methoxy-2-methylamino-3-aminopyridine HCl	(E) HC Blue 7 (A) not listed	83732-72-3  (90817-34-8)	NI	280-622-9	P	Yes	Not captured	Not classified
153	1-Hydroxy-4-methylaminobenzene sulfate	(E) p-Methylaminophenol sulfate (A) Same as on EU INCI	55-55-0 or 1936-57-8	NI	200-237-1 or 217-706-1	P	NO (Base Yes)	Not captured	Not classified
154	bis -(5-Amino-2-hydroxyphenyl)-methane (2HCl)	(E) 2,2'-Methylenebis-4-aminophenyl (A) same as on EU INCI	63969-46-0 (27311-52-0)	NI	not listed	P	Yes	Not captured	Not classified
155	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthalenol	(E) (A) Red 36	De-chloro 6410-10-2 2814-77-9	12085	220-562-2	NI	NO	Not captured	Not classified
156	1,2,3,4-tetrahydro-6-nitroquinoxaline (HCl)	(E) Tetrahydro-6-nitroquinoxaline (A) same as on EU INCI	41959-35-7 (158006-54-3)	NI	EEC no 414-270-6	SP	Yes	Not captured	Not classified