

**Safety Data Sheet**

according to ANSI Z400.1-1998

**COLOR PERFECT****MSDS 1 of 2**

Print date : 18.04.2005

Product code : COL-PERFECT

Page 1 of 7

**1. Product and Company Identification****1.1 Commercial product name**

COLOR PERFECT / NOTE: This list is not inclusive of all shades. If product shade is not found, please refer to additional MSDS sheets.

**Further product name**

SHADES AND FORMULA NUMBERS::

10G (10/03)=74393270000 ; 10N (10/0)=74393090000 ; 11A (11/01)=74393190000 ; T11B (T11/03)=74393550000 ; 11G (11/3)=74393280000 ; T11A (T11/1)=74393540000 ; 12A (12/01)=74393200000 ; 12G (12/3)=74393290000 ; 12N (12/0)=74393110000 ; 3N (3/0)=74393020000 ; 4A (4/01)=74393120000 ; 4BR=74393440000 ; 4G (4/3)=74393210000 ; 4N (4/0)=74393030000 ; 5A (5/01)=74393130000 ; 5BR=74393450000 ; 5G (5/3)=74393220000 ; 5N (5/0)=74393040000 ; 5RR (55/46)=74393400000 ; 6A (6/01)=74393140000 ; 6G (6/3)=74393230000 ; 6N (6/0)=74393050000 ; 6RR (66/46)=74393410000 ; 6WB (6/7)=74393470000 ; 7A (7/01)=74393150000 ; 7G (7/3)=74393240000 ; 7N (7/0)=74393060000 ; 7WB (7/7)=74393480000 ; 7RR Level 7 (77/44)=74393420000 ; 8A (8/01)=74393160000 ; 8G (8/3)=74393250000 ; 8N (8/0)=74393070000 ; 9A (9/01)=74393170000 ; 9G (9/03)=74393260000 ; 9N (9/0)=74393080000 ; T9N (T9/0)=74393510000 ; T9B (T9/03)=74393530000 ; T9A (T9/1)=74393520000 ; B (0/88)=74393610000 ; BB=74393600000 ; G (0/33)=74393630000 ; R(0/44)=74393640000 ; V (0/66)=74393620000

**Chemical characterization :** ( preparation )

Finished product: maximum 7% dyes

**1.2 Information manufacturer / supplier**

Company name : WELLA CORPORATION - 6109 De Soto Avenue - Woodland Hills, CA 91367  
 Telephone: (818) 999-5112  
 Prepared by: WELLA AG - Berliner Allee 65 - D--64274 Darmstadt  
 Contact person : RD-PSCE-Herr Schoder Telephone : 0049 -(0)6151-34-0  
 e-mail : WSchoder@Wella.de Telefax : 0049-(0)6151-342748  
 Internet : www.wella.de  
 Inquiry office : Emergency telephone USA only: call CHEMTREC 1-800-424-9300  
 Emergency telephone : 0049-(0)-6151-340-Germany

**2. Composition / Information on Components**

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLOR PERFECT

Print date : 18.04.2005

Product code : COL-PERFECT

Page 2 of 7

### Hazardous components

CAS No.	Components	Quantity
70643-20-8	[4-(2-HYDROXYETHOXY)-1,3-PHENYLENE]DIAMMONIUMSULPHATE (2,4-DIAMINOPHENOXYETHANOL SULFATE)	max.1%
155601-30-2	1-(HYDROXYETHYL)-1H- PYRAZOLE- 4,5-DIYLDIAMMONIUM SULPHATE (1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE)	max.3%
591-27-5	3-AMINOPHENOL (M-AMINOPHENOL)	max.1%
608-25-3	2-METHYLRESORCINOL	max.1%
83763-48-8	(3-AMMONIO-4-METHOXYPHENYL)(2-HYDROXYETHYL)AMMONIUM SULPHATE (2-AMINO-4-HYDROXYETHYLAMINOANISOLE SULFATE)	max.1%
2835-95-2	5-AMINO-O-CRESOL (4-AMINO-2-HYDROXYTOLUENE)	max.<2%
6358-09-4	2-AMINO-6-CHLORO-4- NITROPHENOL	max.1%
90-15-3	1-NAPHTHOL	max.3%
2835-98-5	6-AMINO-M-CRESOL	max.1%
94158-13-1	2,2'-[(4-AMINO-3-NITROPHENYL)IMINO]BISETHANOL HYDROCHLORIDE (HC RED NO.13)	max.<2%
33939-64-9	POLYOXYETHYLENE(6) DODECYL ETHER CARBOXYLATE,SODIUM SALT (SODIUM LAURETH-6 CARBOXYLATE)	1% - 3%
9002-92-0	2-[2-(DODECYLOXY)ETHOXY]ETHANOL (LAURETH-2)	20% - 25%
65235-31-6	4-[(2-HYDROXYETHYL)AMINO]-3-NITROPHENOL (3-NITRO-P-HYDROXYETHYLAMINOPHENOL)	max.<2%
67-63-0	PROPANE-2-OL (ISOPROPYL ALCOHOL)	5% - 10%
108-46-3	RESORCINOL	max.1%
1336-21-6	AMMONIA,AQUEOUS SOLUTION 25%	5% - <20%
93841-25-9	3-(2-HYDROXYETHYL)-P-PHENYLENDIAMMONIUM SULPHATE (HYDROXYETHYL-P-PHENYLENEDIAMINE SULFATE)	max.5%
2835-99-6	4-AMINO-M-CRESOL	max.1%
6369-59-1	2-METHYL-P-PHENYLENE DIAMINE SULFATE (TOLUENE-2,5-DIAMINE SULFATE)	max.5%

### 3. Hazards Identification

#### Route(s) of Entry

Inhalation Yes  
 Ingestion: Yes  
 Skin: Yes

#### Signs and Symptoms of Exposure

Harmful if swallowed.  
 May cause sensitization by skin contact.  
 May produce an allergic reaction.  
 Irritating to eyes. (Risk of serious damage to eyes.)  
 Prolonged or repeated skin contact can have an irritating effect.

Carcinogenicity (NTP) : No

Carcinogenicity (IARC) : No

Carcinogenicity (OSHA) : No

#### Explication of special hazards for human health and environment

Flammable.

### 4. First Aid Measures

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLOR PERFECT

Print date : 18.04.2005

Product code : COL-PERFECT

Page 3 of 7

### General information

Immediately rinse any splashes on the skin and clothing

### After inhalation

Move to fresh air. If symptoms persist, call a physician.

### After contact with skin

Wash off with soap and water.  
If skin irritation persists, call a physician.

### After contact with eyes

Flush eye(s) immediately with plenty of water.  
If eye irritation persists, consult a specialist.

### After ingestion

Do not induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Call a physician or Poison Control Centre immediately.

## 5. Fire Fighting Measures

### Suitable extinguishing media

sprayed water stream  
alcohol-resistant foam  
chemical fire extinguisher  
carbon dioxide (CO<sub>2</sub>)

### Special exposure hazards arising from the chemical

The release of the following substances is possible in a fire:  
nitrogen oxides (NO<sub>x</sub>) ;  
sulphur oxides ;  
carbon oxides

### Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

### Additional information

Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.

## 6. Accidental Release Measures

### Personal precautions

Ensure adequate ventilation.  
Remove all sources of ignition.  
Avoid contact with skin, eyes and clothing.  
Do not breathe in vapours.

### Environmental precautions

Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

### Methods for cleaning up/taking up

Small amounts: Flush into sewer with plenty of water.  
Larger amounts: Soak up the product with absorbent, non-flammable material.

## 7. Handling and Storage

### 7.1 Handling

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLOR PERFECT

Print date : 18.04.2005

Product code : COL-PERFECT

Page 4 of 7

### Advice on safe handling

Avoid contact with skin, eyes and clothing.  
Do not breathe vapour .  
Provide sufficient air exchange and/or exhaust in work rooms.

### Advice on protection against fire and explosion

Flammable.  
Vapours may form explosive mixtures with air.  
Keep away from sources of ignition - No smoking.  
If the components are mixed in a bottle:Do not leave the mixture in the closed bottle(bottle may expand/burst)

### Further information on handling

Follow the instructions  
Do not use hair dyes if you have already experienced an adverse reaction to a hair colorant.  
Do not use the hair dye if the scalp is sensitive or shows abrasions or scratches.  
Do not use to dye eyelashes or eyebrows.  
Use mixture immediately.Do not use any leftovers - Dispose of promptly..  
Do not exceed the development time stated  
Rinse hair well after application  
Do not use when the hair has previously been coloured with metal dyes  
Do not perm the hair immediately before or after dyeing the hair.

## 7.2 Storage

### Requirements for storage rooms and vessels

Keep in a dry, cool place.  
Protect from heat and direct sunlight.  
Keep out of reach of children.

### Further information on storage conditions

Keep at temperatures above -10 °C.  
Keep at temperature not exceeding 40 °C.

## 8. Exposure Controls / Personal Protection

### 8.1 Exposure limit values

#### Permissible exposure limits (PEL)

CAS No.	Components	ml/m <sup>3</sup>	mg/m <sup>3</sup>	fib/cc	Category	Origin
7664-41-7	Ammonia	50	35		TWA (8 h)	PEL
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	PEL

### 8.2 Exposure controls

#### Occupational exposure controls

The maximum occupational exposure limit will not be reached under normal conditions of use

#### Protective and hygiene measures

When using, do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
preventive skin protection

#### Hand protection

Wear enclosed gloves.

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLOR PERFECT

Print date : 18.04.2005

Product code : COL-PERFECT

Page 5 of 7

### 9. Physical and Chemical Properties

#### 9.1 Appearance

Form : liquid ; viscous  
Colour : various  
Odour : perfumed ; ammoniacal

#### 9.2 Important health, safety and environmental information

Test method

##### Changes in the physical state

Flash point : 69.8 - 77.0 °F Pensky-Martens,cc

##### Explosive properties

Not applicable

##### Oxidizing properties

Not applicable

Density :

0.95 - 0.98 g/cm<sup>3</sup>

Water solubility :

completely miscible

##### Solvent content

5% - 10%

### 10. Stability and Reactivity

#### Stability

Stable

#### Materials to avoid

strong oxidising agents

#### Possibility of Hazardous Reactions

May occur

### 11. Toxicological Information

#### Acute toxicity

Harmful if swallowed.

2-METHYL-P-PHENYLENE DIAMINE SULFATE (TOLUENE-2,5-DIAMINE SULFATE) :

LD50/oral/rat = 98 mg/kg (RTECS)

LD50/dermal/rabbit = 1120 mg/kg (RTECS)

#### Irritancy and corrosiveness

Eye irritation:

Irritating to eyes. (Risk of serious damage to eyes.)

Skin irritation:

May cause skin irritation.

#### Sensitising effect

May cause sensitization by skin contact.

May produce an allergic reaction. .

#### Subacute, subchronic and prolonged toxicity

Repeated or long term contact can lead to skin irritations.

### 12. Ecological Information

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLOR PERFECT

Print date : 18.04.2005

Product code : COL-PERFECT

Page 6 of 7

### Ecotoxicity

Contains substances very toxic to aquatic organisms.

### Persistence and degradability

Some constituents are not readily biodegradable.

## 13. Disposal Considerations

### Advice on disposal

The bottle must be completely empty before disposal  
Dispose of as hazardous waste in compliance with local and national regulations.

## 14. Transport Information

### US DOT 49 CFR 172.101

#### Proper Shipping Name

Consumer Commodity ORM-D

#### Land transport (ADR/RID)

ADR/RID class : 3  
Warnings plate  
UN number : 1993  
ADR/RID packing group : III

#### Description of the goods

flammable liquid, n.o.s.  
(contains PROPANE-2-OL (ISOPROPYL ALCOHOL))

#### Inland waterways transport

#### Marine transport

IMDG code : 3  
UN number : 1993  
EmS : F-E , S-E  
IMDG packing group : III

#### Description of the goods

flammable liquid, n.o.s.  
(contains PROPANE-2-OL (ISOPROPYL ALCOHOL))

#### Remarks

Viscosity > 200 mm/s

#### Air transport

ICAO/IATA-DGR : 3  
UN/ID number : 1993  
IATA-packing instructions - Passenger : 309  
IATA-packing instructions - Cargo : 310  
ICAO packing group : III

#### Description of the goods

flammable liquid, n.o.s.  
(contains PROPANE-2-OL (ISOPROPYL ALCOHOL))

## 15. Regulatory Information

### U.S. Regulations

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLOR PERFECT

Print date : 18.04.2005

Product code : COL-PERFECT

Page 7 of 7

### 16. Other Information

#### Other data

Canada:WHMIS classification: B2 ; D2B

---

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*