

Safety Data Sheet

according to ANSI Z400.1-1998

COLOR PERFECT

MSDS 2 of 2

Print date : 10.03.2005

Product code : COL-PERF-N

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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:
1N ; 2N ; 3RV ; 4RV ; 5RV ; 6RG ; 7RG ; 8RG

Chemical characterization : (preparation)

Finished product: maximum 10% 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
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 Inquiry office : Emergency telephone USA only: call CHEMTREC 1-800-424-9300
 Emergency telephone : 0049-(0)-6151-340-Germany

2. Composition / Information on Components

Hazardous components

CAS No.	Components	Quantity
108-45-2	M-PHENYLENEDIAMINE	max.3%
1310-73-2	SODIUM HYDROXIDE	0.1% - 1%
108-46-3	RESORCINOL	max.5%
106-50-2	P-PHENYLENEDIAMINE	max.5%
123-30-8	4-AMINOPHENOL (P-AMINOPHENOL)	max.3%
33939-64-9	POLYOXYETHYLENE(6) DODECYL ETHER CARBOXYLATE,SODIUM SALT (SODIUM LAURETH-6 CARBOXYLATE)	1% - 3%
591-27-5	3-AMINOPHENOL (M-AMINOPHENOL)	max.1%
67-63-0	PROPANE-2-OL (ISOPROPYL ALCOHOL)	5% - 10%
90-15-3	1-NAPHTHOL	max.5%
127087-87-0	POLYOXYETHYLENE(4) NONYLPHENYL ETHER (NONOXYNOL-4)	20% - 25%
1336-21-6	AMMONIA,AQUEOUS SOLUTION 25%	5% - 15%
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.1%
6358-09-4	2-AMINO-6-CHLORO-4- NITROPHENOL	max.1%

3. Hazards Identification

Route(s) of Entry

Inhalation Yes
 Ingestion: Yes
 Skin: Yes

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Signs and Symptoms of Exposure

Harmful if swallowed.
May cause sensitization by skin contact.
May produce an allergic reaction.
Irritating to eyes.
Irritating to skin.

Carcinogenicity (NTP) : No

Carcinogenicity (IARC) : No

Carcinogenicity (OSHA) : No

Explication of special hazards for human health and environment

Flammable.

4. First Aid Measures

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 (CO₂)

Special exposure hazards arising from the chemical

The release of the following substances is possible in a fire:
nitrogen oxides (NO_x)
sulphur 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

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

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

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Permissible exposure limits (PEL)

CAS No.	Components	ml/m ³	mg/m ³	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
1310-73-2	Sodium hydroxide	-	2		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.

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 :

0.96 - 0.99 g/cm³

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

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Harmful if swallowed.

P-PHENYLENDIAMINE :
 LD50/oral/rat = 80 mg/kg
 M-PHENYLENEDIAMINE :
 LD50/oral/rat = 260 mg/kg

Irritancy and corrosiveness

Eye irritation:
 Irritating to eyes.
 Skin irritation:
 Irritating to skin.

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.

Carcinogenity, mutagenicity and reproductive toxicity

POLYOXYETHYLENE(4) NONYLPHENYL ETHER (NONOXYNOL-4) :
 classified by the European Union as toxic to reproduction, category 3
 "Reprotoxic category 3 corresponds to ""substances which cause concern for human fertility""."

M-PHENYLENEDIAMINE ; 4-AMINOPHENOL (P-AMINOPHENOL) :
 is classified by the European Union as a mutagen of category 3 "Category 3 corresponds to ""substances and preparations which may induce heritable genetic defects or increase their incidence""."

12. Ecological Information**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

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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****16. Other Information****Other data**

This Safety Data Sheet serves as voluntary customer information. There exists no legal obligation to deliver Safety Data Sheets for cosmetic finished products in the EU.

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