

# Safety Data Sheet

according to ANSI Z400.1-1998

## COLORBRE

Print date : 05.04.2005

Product code : COLORBRE

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### 1. Product and Company Identification

#### 1.1 Commercial product name

COLORBRE

#### Further product name

SHADES:

5RN Light Auburn ; 6 RN Light Copper

#### Chemical characterization : (preparation)

Finished product: maximum 6% 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

#### Hazardous components

CAS No.	Components	Quantity
123-30-8	4-AMINOPHENOL (P-AMINOPHENOL)	max.<2%
127087-87-0	POLYOXYETHYLENE(4) NONYLPHENYL ETHER (NONOXYNOL-4)	30% - 40%
108-45-2	M-PHENYLENEDIAMINE	max.<0.1%
90-15-3	1-NAPHTHOL	max.<3%
108-46-3	RESORCINOL	max.<1%
106-50-2	P-PHENYLENDIAMINE	max.<1%
1336-21-6	AMMONIA,AQUEOUS SOLUTION 25%	10% - 15%
6358-09-4	2-AMINO-6-CHLORO-4- NITROPHENOL	max.<0.1%
67-63-0	PROPANE-2-OL (ISOPROPYL ALCOHOL)	10% - 15%
591-27-5	3-AMINOPHENOL (M-AMINOPHENOL)	max.<0.1%

### 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.

Irritating to skin.

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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 (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>)**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 breath in vapours.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

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### 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 0 °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

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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  
Colour : orange ; clear  
Odour : perfumed ; ammoniacal

### 9.2 Important health, safety and environmental information

Test method

#### Changes in the physical state

Flash point : 75.2 °F Pensky-Martens,cc

#### Explosive properties

Not applicable

#### Oxidizing properties

Not applicable

Density : 0.95 - 0.97 g/cm<sup>3</sup>

Water solubility : completely miscible

#### Solvent content

10% - 15%

## 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.

P-PHENYLENDIAMINE :  
LD50/oral/rat = 80 mg/kg  
4-AMINOPHENOL (P-AMINOPHENOL) :  
LD50/oral/rat = 375 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. .

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### 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

#### Propper Shipping Name

Consumer Commodity ORM-D

#### Land transport (ADR/RID)

ADR/RID class :	3
Warnings plate	
UN number :	1266
ADR/RID packing group :	III

#### Description of the goods

Perfumery products

#### Inland waterways transport

#### Marine transport

IMDG code :	3
UN number :	1266
EmS :	F-E , S-D
IMDG packing group :	III

#### Description of the goods

Perfumery products

#### Air transport

ICAO/IATA-DGR :	3
UN/ID number :	1266
IATA-packing instructions - Passenger :	309
IATA-packing instructions - Cargo :	310

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ICAO packing group :

III

**Description of the goods**

Perfumery products

**15. Regulatory Information****U.S. Regulations****16. Other Information****Other data**

Canada:WHMIS classification: B2 ; D2B

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