

Safety Data Sheet

according to ANSI Z400.1-1998

DESIGN COLLECTION

Print date : 05.04.2005

Product code : DESIGN

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1. Product and Company Identification

1.1 Commercial product name

DESIGN COLLECTION

Further product name

SHADES:

12.00 Blonde Clair ; 12.10 Frosty Ash ; 4.54 Mahogany ; 5.77 Velvet Brown ; 7.34 Copper Gold

Chemical characterization : (preparation)

Finished product: maximum 4% 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
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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
2835-99-6	4-AMINO-M-CRESOL	max.1%
96-91-3	2-AMINO-4,6-DINTROPHENOL,CONTAINS >= 20% WATER (PICRAMIC ACID)	max.<1%
83763-48-8	(3-AMMONIO-4-METHOXYPHENYL)(2-HYDROXYETHYL)AMMONIUM SULPHATE (2-AMINO-4-HYDROXYETHYLAMINOANISOLE SULFATE)	max.<0.1%
108-46-3	RESORCINOL	max.<1%
1310-73-2	SODIUM HYDROXIDE	max.<1%
2835-95-2	5-AMINO-O-CRESOL (4-AMINO-2-HYDROXYTOLUENE)	max.<2%
1336-21-6	AMMONIA,AQUEOUS SOLUTION 25%	10% - <20%
127087-87-0	POLYOXYETHYLENE(4) NONYLPHENYL ETHER (NONOXYNOL-4)	30% - 40%
106-50-2	P-PHENYLENDIAMINE	max.<1%
67-63-0	PROPANE-2-OL (ISOPROPYL ALCOHOL)	10% - 15%

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 (CO₂)

Special exposure hazards arising from the chemical

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

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 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

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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 : various ; 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 : 0.94 - 0.97 g/cm³

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

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

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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""."

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
ICAO packing group :	III

Description of the goods

Perfumery products

15. Regulatory Information

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U.S. Regulations**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.)