

Safety Data Sheet

according to ANSI Z400.1-1998

Color Charm Clear Developer 20 Volume

Print date : 09.03.2005

Product code : 70913150200F

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1. Product and Company Identification

1.1 Commercial product name

Color Charm Clear Developer 20 Volume

Chemical characterization : (preparation)
HYDROGEN PEROXIDE ; Aqueous solution

1.2 Information manufacturer / supplier

Company name : P&G Dist.Co., Cincinnati, OH 45202 □
Telephone:: 1-800-221-4900
Prepared by:: WELLA AG - Berliner Allee 65 - D--64274 Darmstadt
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Emergency telephone : 0049-(0)-6151-340-Germany

2. Composition / Information on Components

Hazardous components

CAS No.	Components	Quantity
7722-84-1	HYDROGEN PEROXIDE 50%	10%-<16% w/w

3. Hazards Identification

Route(s) of Entry

Inhalation Yes
Ingestion: Yes
Skin: Yes

Signs and Symptoms of Exposure

Irritating to eyes.
Prolonged skin contact may cause skin irritation.

Carcinogenicity (NTP) : No
Carcinogenicity (IARC) : No
Carcinogenicity (OSHA) : No

4. First Aid Measures

General information

Immediately rinse any splashes on the skin and clothing

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
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

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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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
foam
chemical fire extinguisher
carbon dioxide (CO₂)

Special exposure hazards arising from the chemical

Contact with combustible material may cause fire.

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

Avoid contact with skin, eyes and clothing.
Do not breath in vapours.
Ensure adequate ventilation.

Environmental precautions

Do not flush into surface water or sanitary sewer system. (undiluted)

Methods for cleaning up/taking up

Small amounts: Flush into sewer with plenty of water.
Do not soak up with combustible material, e.g. paper

7. Handling and Storage

7.1 Handling

Advice on safe handling

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

Advice on protection against fire and explosion

Contact with combustible material may cause fire.
Materials to avoid : flammable materials, metals
Do not use metal bowl/stirrer for mixing
Use mixture immediately
Do not use any leftovers
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

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Follow the instructions
Do not use when the hair has previously been coloured with metal dyes
Do not exceed the development time stated
Rinse hair well after application

7.2 Storage

Requirements for storage rooms and vessels

Store in cool place.
Protect from light.
Keep out of reach of children.

Further information on storage conditions

Keep at temperatures above -5 °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
7722-84-1	Hydrogen peroxide	1	1.4		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 suitable gloves

Eye protection

If splashes are likely to occur, wear: tightly fitting safety goggles

9. Physical and Chemical Properties

9.1 Appearance

Form : liquid
Colour : colourless ; clear
Odour : characteristic

9.2 Important health, safety and environmental information

pH-Value : 2.4 - 2.8 Test method

Changes in the physical state

Flash point : non-combustible not applicable

Oxidizing properties

The product is not classified as oxidising.
Contact with combustible material may cause fire.

Density : 1.01 - 1.03 g/cm³

Water solubility : completely miscible

Autoignition temperature

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gas :

not applicable

10. Stability and Reactivity

Stability

Unstable

Conditions to avoid

Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation
To avoid thermal decomposition, do not overheat.

Materials to avoid

flammable materials
metals
reducing agents
bases

Hazardous decomposition products

oxygen

Possibility of Hazardous Reactions

May occur

11. Toxicological Information

Acute toxicity

HYDROGEN PEROXIDE 9.6% :
LD50/oral/rat = 1500 - 1600 mg/kg

Irritancy and corrosiveness

Eye irritation:
HYDROGEN PEROXIDE $\geq 5\%$:Irritating to eyes.

Skin irritation:
Patch test on human volunteers did not demonstrate irritating properties. (argument by analogy)

Sensitising effect

No known sensitizing effect.

Subacute, subchronic and prolonged toxicity

Prolonged skin contact may cause skin irritation.

12. Ecological Information

Ecotoxicity

HYDROGEN PEROXIDE :
Acute fish toxicity = LC50(96h) = 16.4 mg/l (pimephales promelas,US EPA)
EC50/48h/daphnia = 2.4 mg/l (daphnia pulex,US EPA)
EC50/72h/algae = 2.5 mg/l (chlorella vulgaris,OECD 201 mod.)
Toxicity to bacteria:EC50(3h) = 466 mg/l (OECD 209)

Persistence and degradability

HYDROGEN PEROXIDE :
biodegradable ; Rapid elimination in sewage treatment plants

13. Disposal Considerations

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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

DOT Class: not regulated

Land transport (ADR/RID)

Inland waterways transport

Marine transport

Air transport

Futher Information

Not classified as dangerous in the meaning of transport regulations.

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.)