

Safety Data Sheet

according to ANSI Z400.1-1998

WELLA COLOR PRESERVE LONG LASTING HAIR SPRAY

Print date : 06.10.2005

Product code : 74464020000A

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1. Product and Company Identification

1.1 Commercial product name

WELLA COLOR PRESERVE LONG LASTING HAIR SPRAY

Chemical characterization : (preparation)
Contains >45% by mass of flammable ingredients.

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
115-10-6	DIMETHYLETHER	3% - 7%
75-37-6	1,1-DIFLUOROETHANE (HYDROFLUOROCARBON 152A)	30% - 40%
64-17-5	ETHANOL (ALCOHOL)	40% - 50%

3. Hazards Identification

Route(s) of Entry

Inhalation: Yes
 Ingestion: Yes
 Skin: Yes

Signs and Symptoms of Exposure

Inhalation of high vapour concentrations can cause CNS-depression and narcosis.
 Can have an irritating effect on the 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

Extremely flammable.
 In use, may form flammable/explosive vapour-air mixture.

4. First Aid Measures

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.
 If symptoms persist, call a physician.

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After contact with eyes

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

After ingestion

Clean mouth with water and drink afterwards plenty of water.
If symptoms persist, call a physician.

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

In case of a fire explosion of the aerosol cans is possible. People have to be evacuated from the storage area. Fire-fighters must be informed about the presence of aerosol cans. Surrounding containers have to be cooled with spray water from a safe distance.

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

Remove all sources of ignition.
Do not breathe vapours or spray mist.
Ensure adequate ventilation.
Avoid contact with eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up the product with absorbent, non-flammable material.
Risk of fire.
After cleaning, flush away traces with water.

7. Handling and Storage

7.1 Handling

Advice on safe handling

Spray in short sequences and ventilate room after spraying.
Do not inhale. Follow strictly instructions for use on the package.

Advice on protection against fire and explosion

Extremely flammable.
In use, may form flammable/explosive vapour-air mixture.
Keep away from sources of ignition - No smoking.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

Further information on handling

Do not spray into the eyes or on irritated skin.
Do not inhale intentionally.

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7.2 Storage

Requirements for storage rooms and vessels

Keep in a dry, cool place.
 Keep out of reach of children.
 Keep at temperatures above -20 °C.
 Keep at temperature not exceeding 40 °C.

Further information on storage conditions

Observe storage regulations for aerosols.

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
64-17-5	Ethyl alcohol (Ethanol)	1000	1900		TWA (8 h)	PEL

Additional advice on control parameters

CAS No.	Components	ml/m ³	mg/m ³	Category	Origin
115-10-6	DIMETHYLETHER	1000		TWA (8h)	ACGIH

1,1-Difluoroethane ; CAS-no.:75-37-6: Acceptable exposure limit (8h-TWA) = 1000 ml/m³ (Du Pont)

8.2 Exposure controls

Occupational exposure controls

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

9. Physical and Chemical Properties

9.1 Appearance

Form : liquid
 Colour : colourless
 Odour : perfumed

9.2 Important health, safety and environmental information

pH-Value : 8.0 - 10.0 * (1:1 with water) Test method

Changes in the physical state

Flash point : 64.4 °F *(18 °C) Abel-Pensky,cc

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits : 2.7 (DIMETHYLETHER) vol. %

Upper explosion limits : 18.6(DIMETHYLETHER) vol. %

Oxidizing properties

Not applicable

Vapour pressure : 3.3 - 3.7 bar
 at (20 °C)

Vapour pressure : 7.3 - 8.0 bar
 at (50 °C)

Density : 0.855 - 0.875 g/cm³

Water solubility : completely miscible

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Solvent content

40% - 50%

9.3 Other information

Ignition temperature :

235 °C (DIMETHYLETHER)

* bulk solution without propellants

10. Stability and Reactivity

Stability

Stable

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Keep away from direct sunlight.

Avoid sparks and static charges.

Materials to avoid

oxidising agents

Possibility of Hazardous Reactions

May occur

11. Toxicological Information

Acute toxicity

LD50/oral/rat = >2000 mg/kg (calculated)

Inhalation of high vapour concentrations can cause CNS-depression and narcosis.

Irritancy and corrosiveness

Eye irritation:

Can have an irritating effect on the eyes.

Skin irritation:

non-irritant

Sensitising effect

No known sensitizing effect.

Subacute, subchronic and prolonged toxicity

Solvents may degrease the skin.

12. Ecological Information

Ecotoxicity

The product is not considered to be hazardous to water organisms.

13. Disposal Considerations

Advice on disposal

In accordance with local and national regulations.

The can must be completely empty before disposal.

14. Transport Information

US DOT 49 CFR 172.101**Proper Shipping Name**

Consumer Commodity ORM-D

Land transport (ADR/RID)

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ADR/RID class : 2
Warnings plate
UN number : 1950

Description of the goods

Aerosols,flammable

Inland waterways transport**Marine transport**

IMDG code : 2
UN number : 1950
EmS : F-D,S-U

Description of the goods

Aerosols,flammable

Air transport

ICAO/IATA-DGR : 2.1
UN/ID number : 1950
IATA-packing instructions - Passenger : 203
IATA-packing instructions - Cargo : 203

Description of the goods

Aerosols,flammable

15. Regulatory Information

U.S. Regulations

16. Other Information

Other data

Canada:WHMIS classification: Class A ; B1

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