

## Material Safety Data Sheet-PPD

**MSDS:00010**

**Date Approved:**

Worldwide Beauty Care  
(Clairol, Inc.; Duart Labs; Redmond Products, Inc.)  
Bristol-Myers Squibb Company  
One Blachley Road  
Stamford, CT 06922

**Emergency Telephone Number:**

(203) 357-5678

**Transportation Emergency:**

Call Chemtrec 1-800-424-9300

This sheet has been prepared in accordance with the Requirements of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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**Section I - Categorization**

**Product Category:** Flammable Aerosol Hair Sprays/Dry Shampoos

**Pertinent Text:** A concentrated liquid in an alcoholic/water base containing resins, conditioners and fragrance delivered in a propellant system.

**Product Names:** Condition 3-In-1 Hairsprays, Daily Defense Hairspray, PSSST, Sheer Mist Hairspray, Vitalis Hair Spray, Aussie Hairsprays, Color Protec Finishing Spray

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**Section II - Ingredients Identity/Exposure Limits**

**Flammable Aerosol Hair Sprays/Dry Shampoos generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):**

<u>CTFA Name</u>	<u>CAS Number</u>
ALCOHOL DENAT. EXPOSURE LIMIT: 1000 ppm TLV, PEL (ETHYL ALCOHOL)	64175
ETHYL ESTER OF PVM/MA COPOLYMER	67724930
DIMETHYL ETHER	115106
PROPANE EXPOSURE LIMIT: 1000 PPM PEL, ACGIH ASPHYXIAN	74986
ISOBUTANE	75285
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ISOBUTANE	75285
HYDROFLUOROCARBON 152A	75376
ISOBUTANE	75285
OCTYLACRYLAMIDE/ACRYLATES COPOLYMER	977131411
DIMETHYL ETHER	115106
VA/CROTONATES/VINYL NEODECANOATE COPOLYMER	55353214
ALCOHOL DENAT. EXPOSURE LIMIT: 1000 ppm TLV, PEL (ETHYL ALCOHOL)	64175
PHENYL TRIMETHICONE	2116849
ALUMINUM STARCH OCTENYLSUCCINATE	9087610
HYDROFLUOROCARBON 152A	75376
DIGLYCOL/CHDM/ISOPHTHALATES/SIP COPOLYMER	999000483
OCTYLACRYLAMIDE/ACRYLATES/BUTYLAMINOETHYL METHACRYLATE COPOLYMER	708010879
ACRYLATES COPOLYMER	25085692

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**Section III - Physical/Chemical Characteristics**

**Specific Gravity (H<sub>2</sub>O = 1):** Concentrate: 0.79-0.83

**pH:**

N/A

**Solubility in Water:** Slightly soluble.

**Appearance and Odor:**

Fragranced spray.

**Section IV - Fire and Explosion****Hazard Data****Flashpoint:**

Concentrate: 51-71Unit:

Fahrenheit

**Type:**For products containing alcohol.**Method:**

closed cup

**Fire Fighting Procedures:**

Extinguish fires with ABC all-purpose extinguisher. The type of extinguisher used should be in conformance with local fire regulations. Fire fighters should use self contained breathing apparatus in enclosed areas.

**Unusual Fire and Explosion Hazards:**

Product will flash or sustain a flame if exposed to fire, heat or ignition source at or below room temperature.

**Physical Hazards**

Flammable aerosol. Contents under pressure. Concentrate: Flammable liquid.

**Section V - Reactivity Data****Stability:**

Stable.

**Conditions to Avoid:**

Open flames; heat and ignition sources.

**Incompatibility (Materials to Avoid):**

None.

**Hazardous Decomposition or**

May form toxic materials (carbon dioxide and carbon monoxide).

**ByProducts:****Section VI- Health Hazards and Hazard Data**

The TLV of the mixture has not been established.

**1. Effects of Acute Accidental Exposure****Eye Contact:**

Potential eye irritant.

**Skin Contact:**

Irritation unlikely. Contact with propellant may cause frostbite.

**Inhalation:**

Respiratory symptoms may occur due to inadequate ventilation. High concentration of propellants may induce anesthesia or anoxia.

**Ingestion:**

Not likely to occur. Ingestion of 2 or more ounces of product containing high level of alcohol may result in depression and alcohol intoxication.

**2. Effects of Chronic Exposure**

For purposes of chronic exposure under the OSHA Hazard Communication Standard, these are untested mixtures. Aerosol hair spray formulations using a variety of resins and solvent-propellant systems have been tested for safety by Worldwide Beauty Care and industry-sponsored animal studies. There is no evidence in these studies that ingredients used in these products are harmful to general health or cause adverse effects on the respiratory system. Target Organs: Alcohol Denat.: Liver, CNS, Eye and Reproductive.

**3. Carcinogen Status:**

OSHA: No NTP: No IARC: No

**4. Route of Entry:**

Inhalation: Yes Ingestion: Yes Skin: Yes

5. Pre-existing dermatitis would likely be made worse by exposure to these products. Bronchitis may be aggravated by irritant vapors.

**6. Emergency and First Aid Procedures****Eye Contact:**

Remove contact lenses, if used. Flush immediately with plenty of water for 15 minutes. Get medical attention IMMEDIATELY.

**Skin Contact:**

If spilled, wash skin immediately with soap and water (do not use solvents). Change into clean clothing. If skin reaction develops, contact dermatologist.

**Inhalation:**

Remove person to fresh air. Increase ventilation.

**Ingestion:**

Rinse out mouth with water and administer large amounts of milk. Contact Poison Control Center.

**Section VII - Precautions for Safe Handling and Use****Steps to be taken in Case Material is released or Spilled:**

Avoid ignition sources. Material is flammable. Contain spill and promptly clean up. Flush with water. Floor can be

slippery when wet.

**Waste Disposal Method:**

These products are considered hazardous according to RCRA. Disposal should be in accordance with all applicable Local, State and Federal Regulations.

**Precautions to be Taken in Handling and Storage:**

Products under pressure. Do not puncture or incinerate. Do not store at temperature above 120 F or use near fire or flame. Keep out of reach of children.

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**Section VIII - Control Measures****Ventilation:**

Exhaust system ventilation should be adequate to avoid buildup of vapors.

**Hand Protection:**

Use impervious gloves to avoid possible skin reaction.

**Eye Protection:**

Avoid contact with eyes. Use protective eyewear, if splashing is possible.

**Other Types of Protection:**

Not applicable.

**Respiratory Protection:**

Avoid inhalation.

**Work Hygienic Practices:**

Always follow good hygienic work practices. Avoid eye, clothing, and prolonged skin contact with products. In case of contact, rinse thoroughly with water. Promptly clean up all spills.

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**Section IX - Transportation****Information**

**DOT Class:** Consumer  
Commodity  
ORM-D

**IMDG:** Aerosols 2.1 UN  
1950 Limited  
Quantities

**IATA/ICAO:** Consumer  
Commodity  
Class: 9, ID 8000  
Packing  
Instructions 910

**Printable Word Document (double click to launch Word and Print from Word)**