

Material Safety Data Sheet-PPD

MSDS:00004**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.

Section I - Categorization**Product Category:** Peroxides (Ten (10) and Twenty (20) Volume Developers)**Pertinent Text:** Water-like or white emulsions containing 3% or 6% levels of hydrogen peroxide, emulsifying waxes and pH buffer.**Product Names:** A Touch of Sun, Balsam Color Developing Lotion for all Shades except Shades 598 and 599 (See MSDS #4A), Born Blonde Lotion Developer, Clairesse Developing Lotions for all Shades except Shades 200, 202, 204, 205A, 206, 207 (See MSDS #4A), Clairoxide Developers 10 and 20 Volumes, Complements Color Prompter, Frost & Tip Developers, Hair Painting Developers, Hydrience Developers for all Shades except Shades XL01, XL02 and XL03 (See MSDS #4A), Imprints Activating Solution, Lasting Color Developers, L'Image Developers for all Shades except Shades 800, 802, 803 and 804, Logics Attitudes Color Conductor & Color Generator, Luminize Developer, Maxi Blonde Lotion Developer, Men's Choice Developer, Motif 20 Volume Developer, Miss Clairol Shampoo Developers for all Shades except Shades A1 and 15S (See MSDS #4A), Natural Instincts Developer, Natural Instincts for Men Developer, Natural Instincts Exotics Developer, Nice 'N Easy Developers for all Shades except Shades 97, 98, and 130 (See MSDS #4A), Nuances Highlighting Mixing Creme, Option Gradual Developer, Pure White Creme Developers 10 and 20 Volumes, Radiance Color Infuser, Revitalique Developers for all Shades except Shades 08 and 10 (See MSDS #4A), Silk & Silver Developers, Ultimate Blonde Lotion Developer, Ultra Blue Creme & Lightening Developers, Ultress Developers for all Shades except Shades 11N, 11G and 10N (See MSDS #4A)**Section II - Ingredients Identity/Exposure Limits**

Peroxides (Ten (10) and Twenty (20) Volume Developers) generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):

<u>CTFA Name</u>	<u>CAS Number</u>
GLYCERYL STEARATE	31566311
EXPOSURE LIMIT:10 mg/m3 TLV	
PEG-100 STEARATE	90044993G
EXPOSURE LIMIT:10 mg/m3 TLV	
NONOXYNOL-4	7311275
LAURETH-4	5274680
LAURETH-23	9002920
STEARYL ALCOHOL	112925
CETYL ALCOHOL	36653824
ISOPROPYL PALMITATE	142916
POLYSORBATE 20	9005645
NONOXYNOL-9	26571119
HYDROGEN PEROXIDE	7722841
EXPOSURE LIMIT:1 ppm TLV, PEL	
PEG-50 TALLOW AMIDE	8051636
OLETH-5	5353275
GLYCERYL STEARATE	31566311
EXPOSURE LIMIT:10 mg/m3 TLV	
CETEARYL ALCOHOL	67762270
COCAMIDOPROPYL BETAINE	61789400
ACRYLATES/STEARETH-20 METHACRYLATE COPOLYMER	977109355
STEARETH-21	977080811
CETEARETH-20	68439496
CETEARYL ALCOHOL	67762270
OLETH-2	5274657
POLYQUATERNIUM-22	53694170
ACRYLATES COPOLYMER	25085692
C12-15 PARETH-3	98000085
AMODIMETHICONE	977091647
STEARETH-21	977080811
GLYCERYL STEARATE	31566311
EXPOSURE LIMIT:10 mg/m3 TLV	

Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O = 1): 0.985-1.192

Solubility in Water: Complete.

pH:

approximately 3.5

Appearance and Odor:

Clear-water-thin liquids or viscous creamy white and bluish emulsion. Faint fragrance or no odor.

Section IV - Fire and Explosion

Hazard Data

Flashpoint: Non combustible. **Unit:** N/A **Type:** Not applicable.
Method: Not applicable.

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:

Decomposition, which may be caused by heat or combustion, will release oxygen which will increase the explosive

limit range and burning rate of flammable vapors.

Physical Hazards

None.

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Section V - Reactivity Data

Stability:

Unstable.

Conditions to Avoid:

Heat and sunlight.

Incompatibility (Materials to Avoid):

Reducing agents; such as waving lotions; heavy metals and many flammables. Do not use metallic bowls or stirrers.

Hazardous Decomposition or ByProducts:

Oxygen.

Section VI- Health Hazards and Hazard Data

The TLV of the mixture has not been established.

1. Effects of Acute Accidental Exposure

Eye Contact: CAUTION. Developers are eye irritants. May cause severe irritation and possible permanent eye injury.

Skin Contact: Prolonged contact with skin may bleach it and cause burns.

Inhalation: Not likely to be inhaled.

Ingestion: Moderately toxic.

2. Effects of Chronic Exposure

When developers were mixed with hair dyes and applied to the skin of animals for prolonged periods, no adverse effects on growth, reproduction or general health were observed. Prolonged contact with skin may result in bleaching and irritation of skin.

Target Organs: Skin.

3. Carcinogen Status:

OSHA: No NTP: No IARC: No

4. Route of Entry:

Inhalation: No Ingestion: Yes Skin: Yes

5. Pre-existing dermatitis would likely be made worse by exposure to these products.

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 irritation 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:

Contain spill and promptly clean up. Flush with water and wipe with towel or rinse to drain. Floor can be slippery when wet.

Waste Disposal Method:

Products covered by this MSDS, in their original form, are considered non-hazardous waste according to RCRA. Additionally, disposal should be in accordance with all applicable Local, State and Federal regulations.

Precautions to be Taken in Handling and Storage:

Keep in cool place. Avoid contamination. Keep closed when not in use. Store in the original tightly capped containers away from sunlight, heat, sparks and flame. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Empty containers should be rinsed with water before discarding. Keep out of reach of children. Other precautions: Decomposition of hydrogen peroxide may occur with increase in pressure and possible container rupture.

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 irritation.

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 all skin, eye, and clothing contact with products. In case of contact, rinse thoroughly with water. Promptly clean up all spills.

**Section IX - Transportation
Information**

DOT Class: Not regulated.

IMDG: Not regulated.

IATA/ICAO: Not regulated.

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