Section I - Categorization

Category: Oxidation (Permanent) Hair Colors Ammoniacal - Non-Flammable

Pertinent Text: Oxidation Hair Colors contain low concentrations of dye intermediates in an aqueous base. They are mixed with the developer (hydrogen peroxide) before use. A separate MSDS exists for hydrogen peroxide.

Product Names: Hydrience, Motif, Revitalique, Herbal Essences High Lift Hair Colors (XL2, XL4, XL10) Ultress, L’Image Hairpainting Auburn and Golden

Section II - Ingredients

Oxidative (Permanent), Ammoniacal, Non-Flammable Hair Colors generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):

<table>
<thead>
<tr>
<th>CTFA NAME</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-AMINO-2-HYDROXYTOLUNE</td>
<td>2835952</td>
</tr>
<tr>
<td>M-AMINOPHENOL</td>
<td>591275</td>
</tr>
<tr>
<td>N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE</td>
<td>58262445</td>
</tr>
<tr>
<td>RESORCINOL</td>
<td>108463</td>
</tr>
<tr>
<td>P-PHENYLENEDIAMINE</td>
<td>106503</td>
</tr>
<tr>
<td>AMMONIUM HYDROXIDE</td>
<td>1336216</td>
</tr>
<tr>
<td>ETHOXYDIGLYCOL</td>
<td>111900</td>
</tr>
<tr>
<td>ETHANOLAMINE</td>
<td>141435</td>
</tr>
<tr>
<td>LAURETH-23</td>
<td>9002920</td>
</tr>
<tr>
<td>OLEIC ACID</td>
<td>112801</td>
</tr>
<tr>
<td>STEARETH-21</td>
<td>977080811</td>
</tr>
<tr>
<td>LINOLEAMIDOPROPYL DIMETHYLAMINE DIMER DILINOLEATE</td>
<td>125804106</td>
</tr>
<tr>
<td>COCAMIDE MEA</td>
<td>68140001</td>
</tr>
<tr>
<td>BEHENTRIMONIUM CHLORIDE</td>
<td>17301530</td>
</tr>
<tr>
<td>POLYQUATERNIUM-22</td>
<td>53694170</td>
</tr>
<tr>
<td>DILINOLEIC ACID</td>
<td>6144281</td>
</tr>
<tr>
<td>FRAGRANCE</td>
<td>999999999</td>
</tr>
<tr>
<td>C11-15 PARETH-9</td>
<td>977054902</td>
</tr>
<tr>
<td>OLEAMIDE MIPA</td>
<td>111057</td>
</tr>
<tr>
<td>CETYL ALCOHOL</td>
<td>36653824</td>
</tr>
<tr>
<td>OLEYL ALCOHOL</td>
<td>143282</td>
</tr>
<tr>
<td>C12-15 PARETH-3</td>
<td>98000085</td>
</tr>
<tr>
<td>PROPYLENE GLYCOL</td>
<td>57556</td>
</tr>
<tr>
<td>SOYTRIMONIUM CHLORIDE</td>
<td>61790418</td>
</tr>
<tr>
<td>STEARETH-21</td>
<td>977080811</td>
</tr>
<tr>
<td>OLETH-10</td>
<td>24871349</td>
</tr>
<tr>
<td>SODIUM SULFATE</td>
<td>7727733</td>
</tr>
<tr>
<td>CARAMEL</td>
<td>8028895</td>
</tr>
</tbody>
</table>
Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O=1): 0.974-1.009  pH: 9.5-10.8
Solubility in Water: Partially miscible.  10.4 –11.0 (high lift)
Appearance and Odor: Fragranced liquids. Ammoniacal odor.

Section IV - Fire and Explosion Hazard Data

Flashpoint: >141 °F  Unit: Fahrenheit
Type: Not applicable.  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:
Not applicable.

Physical Hazards:
Combustible.

Section V - Reactivity Data

Stability: Stable.
Conditions to Avoid: None.
Incompatibility (Materials to Avoid): Acids.
Hazardous Decomposition or By Products: May form toxic materials (carbon dioxide, carbon monoxide and ammonia).

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. Unmixed oxidation hair colors are eye irritants. When oxidation hair colors are mixed with developers (hydrogen peroxide), the mixture may cause severe irritation and possible permanent eye injury.

Skin Contact:
May cause skin irritation or sensitization in sensitized individuals.

Inhalation:
Inhalation of ammonia vapors may result in respiratory irritation.

Ingestion:
Moderately toxic.

2. Effects of Chronic Exposure

A composite mixture of oxidation dyes has been tested in prolonged topical exposure studies of laboratory animals. No adverse effects on growth, reproduction or general health were observed. In topical studies no target organ toxicity was observed other than limited effect on treated skin.

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. 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 irritation or sensitization 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:
Do not expose to sunlight. Keep away from radiators and heat. Do not store any hair color after it has been mixed with developer. 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/sensitization.

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: Consumer Commodity ORM-D applies only to the following products: Hydrience Shades XL01, XL02, XL03, Ultress 10N, 11N, and 11G and all Herbal Essences High Lifts XL2,XL4,XL10. All others not regulated.

IMDG: Oxidizing Solid N.O.S., 5.1, UN 1479, PG II or III. Limited Quantity applies only to the following products: Hydrience XL01, XL02, XL03, Ultress 10N, 11N, and 11G, all Herbal Essences High Lifts XL2,XL4,XL10, L’Image 798, 799, 800, 801 and Revitalique 8, 10, 12, 14, 16. All others not regulated.

IATA/ICAO: Not Authorized For Air Transportation applies only to the following products: Hydrience XL01, XL02, XL03, Ultress 10N, 11N, and 11G, all Herbal Essences High Lifts XL2,XL4,XL10, L’Image 798, 799, 800, 801, and Revitalique 8, 10, 12, 14, 16. All others not regulated.
# THE PROCTER & GAMBLE COMPANY

## MATERIAL SAFETY DATA SHEET

**ISSUE DATE**: 03-SEP-2004

### SECTION I

**EMERGENCY TELEPHONE NUMBER**

**IDENTITY** Nice ‘n’ Easy Inbox conditioner, Nice’n Easy Gray Solution, Nice’n Easy Color Boosting Glaze, Hydrience, Herbal Essence Inbox Conditioner for Hair colorants

**INGREDIENTS/CHEMICAL NAME**

- WATER
- AMODIMETHICONE
- STEARYL ALCOHOL
- CETYL ALCOHOL
- STEARAMIDOPROPYL DIMETHYLAMINE
- DICETYL DIMONIUM CHLORIDE
- GLUTAMIC ACID
- BENZYL ALCOHOL
- FRAGRANCE
- EDTA
- TRIMETHYLSILOXYSILICATE
- CARTHAMUS TINCTORIUS (SAFFLOWER) SEED OIL
- TOCOPHERYL ACETATE
- HYDROLYZED VEGETABLE PROTEIN
- PANTHENOL
- CAMELLIA OLEIFERA
- TRIFOLIUM PRATENSE (CLOVER) FLOWER EXTRACT
- VERBENA OFFICINALIS EXTRACT
- METHYLCHLOROISOTHIAZOLINONE
- METHYLISOTHIAZOLINONE
- FD&C YELLOW NO. 5 / CI 19140
- ALOE BARBADENSIS LEAF
- FD&C GREEN #3 / CI 42053

### SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

**HAZARDOUS INGREDIENTS AS DEFINED BY OSHA 29 CFR 1910.1200**

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>CAS NO.</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER LIMITS RECOMMENDED</th>
</tr>
</thead>
</table>

This product is considered non-hazardous within the meaning of the OSHA Communication Standard.

### SECTION III — PHYSICAL/ CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>BOILING POINT (°F)</th>
<th>N/A</th>
<th>SPECIFIC GRAVITY (H2O = 1)</th>
<th>1.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE (mm Hg)</td>
<td>N/A</td>
<td>PERCENT VOLATILE BY VOLUME (%)</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>N/A</td>
<td>EVAPORATION RATE (nBOUAC = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>100%</td>
<td>APPEARANCE AND ODOR</td>
<td>Viscous cream with fragrance odor</td>
</tr>
</tbody>
</table>

### SECTION IV — FLAMMABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>FLASH POINT (METHOD USED)</th>
<th>200°F</th>
<th>EXPLOSIVE LIMITS</th>
<th>LEL N/A</th>
<th>UEL N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTINGUISHING MEDIA</td>
<td>Will not sustain combustion.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPECIAL FIRE FIGHTING PROCEDURES</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION V — HEALTH AND SAFETY DATA

ROUTES OF ENTRY Eye, oral, skin

HEALTH HAZARDS (ACUTE AND CHRONIC) Avoid eye contact. May cause slight eye irritation and discomfort. If eye contact occurs, flush with water. Avoid prolonged skin contact. May cause mild irritation. Flush with water.

SIGNS OF SYMPTOMS OF EXPOSURE May cause nausea if ingested. If prolonged contact occurs, redness of the skin may occur.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE N/A

EMERGENCY AND FIRST AID PROCEDURES If ingested, dilute with water or milk. No special first aid or emergency measure required.

SECTION VI — PRECAUTIONS FOR SAFE HANDLING AND USE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING No special precautions.

OTHER PRECAUTIONS N/A

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Mop up, flush down drain with excess water.

WASTE DISPOSAL METHOD Non-hazardous waste.

SECTION VII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type) None required with normal use.

VENTILATION LOCAL EXHAUST None required with normal use
SPECIAL None
MECHANICAL (General) Acceptable
OTHER None

EYE PROTECTION None required with normal use
PROTECTIVE GLOVES Plastic or rubber for extended exposure.

OTHER PROTECTIVE EQUIPMENT None required with normal use.
THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW, BUT THIS IS NOT AN ASSERTION THAT THE SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE PROCEDURES. DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH.
Material Safety Data Sheet

MSDS: 00004
Date Approved: 12/20/2002
Clairol, A Division of P&G
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

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, 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), Lasting Color Developers, L'Image Developers for all Shades except Shades 798, 799, 800,801, (See MSDS #4A), Luminize Developer, Maxi Blonde Lotion Developer, Men's Choice Developer, Miss Clairol Shampoo Developers for all Shades except Shades A1 and 1S (See MSDS #4A), Natural Instincts Developer, Natural Instincts for Men Developer, Natural Instincts Exotics Developer, Nice 'N Easy Developers for all for Shades except 87, 88, 89, 97, 98, 101B, 103B,106B, 114C, 116B, 118B, 118C, 120C, 126, (See MSDS #4A), Nuances Highlighting Mixing Creme, Pure White Crème Developers 10 and 20 Volumes, Radiance Color Infuser, Revitalique Developers for all Shades except Shades 08 ,10, 12, 14, 16 (See MSDS #4A), Summer Blonde Developer, Ultra Blue Creme Lightening Developers, Ultress Developers for all Shades except Shades 11N,11G and 10N (See MSDS #4A), Xtreme FX Bleach Out Developer and Herbal Essences Developer for Color Shades 26, 34, 36, 38, 40, 42, 44, 45, 46, 48, 50, 52, 54, 55, 56, 58, 60, 61,61.7, 62, 63, 64, 65, 67, 70,72,74.

Section II - Ingredients

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

<table>
<thead>
<tr>
<th>CTFA NAME</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONOXYNOL-4</td>
<td>7311275</td>
</tr>
<tr>
<td>LAURETH-23</td>
<td>9002920</td>
</tr>
<tr>
<td>ISOPROPYL PALMITATE</td>
<td>142916</td>
</tr>
<tr>
<td>POLYSORBATE 20</td>
<td>9005645</td>
</tr>
<tr>
<td>NONOXYNOL-9</td>
<td>26571119</td>
</tr>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>7722841</td>
</tr>
<tr>
<td>PEG-50 TALLOW AMIDE</td>
<td>8051636</td>
</tr>
<tr>
<td>OLETH-5</td>
<td>5355275</td>
</tr>
<tr>
<td>GLYCERYL STEARATE</td>
<td>31566311</td>
</tr>
<tr>
<td>CETEARYL ALCOHOL</td>
<td>67762270</td>
</tr>
<tr>
<td>ACRYLATES/STEARETH-20 METHACRYLATE COPOLYMER</td>
<td>977109355</td>
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<tr>
<td>STEARETH-21</td>
<td>977080811</td>
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<tr>
<td>CETEARETH-20</td>
<td>68439496</td>
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<td>CETEARYL ALCOHOL</td>
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<td>5274657</td>
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<td>ACRYLATES COPOLYMER</td>
<td>25085692</td>
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<tr>
<td>C12-15 PARETH-3</td>
<td>98000085</td>
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<tr>
<td>PEG-50 HYDROGENATED PALMAMIDE</td>
<td>98000050</td>
</tr>
</tbody>
</table>
Section III - Physical/Chemical Characteristics
Specific Gravity (H₂O=1): 0.985-1.192  pH: approximately 3.5
Solubility in Water: Complete.
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.

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 many flammables. Do not use metallic bowls or stirrers.
Hazardous Decomposition or By Products: 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.