

## Material Safety Data Sheet

**MSDS:** 0001A  
**Date Approved:** 12/20/2002  
Clairol, A Division of P&G  
One Blachley Road  
Stamford, CT 06922

**Status:**

**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:** 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):

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

### Section III - Physical/Chemical Characteristics

**Specific Gravity (H<sub>2</sub>O=1):** 0.974-1.009

**Solubility in Water:** Partially miscible.

**Appearance and Odor:** Fragranced liquids. Ammoniacal odor.

**pH:** 9.5-10.8

10.4 –11.0 (high lift)

### Section IV - Fire and Explosion Hazard Data

**Flashpoint:** >141<sup>0</sup>

**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.

BEAUTY CARE DIVISION  
 1 Blachley Road  
 Stamford  
 CT 06922

THE PROCTER & GAMBLE COMPANY

**MATERIAL SAFETY DATA SHEET**

<b>ISSUE DATE:</b> 03-SEP-2004	
<b>SECTION I</b>	
<b>EMERGENCY TELEPHONE NUMBER</b>	
<b>IDENTITY</b> Nice 'n' Easy Inbox conditioner, Nice'n Easy Gray Solution , Nice'n Easy Color Boosting Glaze, Hydrience, Herbal Essence Inbox Conditioner for Hair colorants	
<b>INGREDIENTS/CHEMICAL NAME</b> 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	
<b>OTHER</b>	Code:

<b>SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION</b>					
<b>HAZARDOUS INGREDIENTS AS DEFINED BY OSHA 29 CFR 1910.1200</b>					
<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>CAS NO.</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMITS RECOMMENDED</u>
This product is considered non-hazardous within the meaning of the OSHA Communication Standard.					

<b>SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS</b>			
<b>BOILING POINT (°F)</b>	N/A	<b>SPECIFIC GRAVITY (H2O = 1)</b>	1.0
<b>VAPOR PRESSURE (mm Hg)</b>	N/A	<b>PERCENT VOLATILE BY VOLUME (%)</b>	N/A
<b>VAPOR DENSITY (AIR = 1)</b>	N/A	<b>EVAPORATION RATE (nBUOAC = 1)</b>	N/A
<b>SOLUBILITY IN WATER</b>	100%	<b>APPEARANCE AND ODOR</b>	Viscous cream with fragrance odor

<b>SECTION IV — FLAMMABILITY AND REACTIVITY</b>			
<b>FLASH POINT (METHOD USED)</b> >200°F	<b>EXPLOSIVE LIMITS</b>	LEL N/A	UEL N/A
<b>EXTINGUISHING MEDIA</b> Will not sustain combustion.			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> N/A			

<b>UNUSUAL FIRE HAZARDS</b> N/A			
<b>STABILITY</b>	<b>UNSTABLE</b>	<b>STABLE</b> X	<b>CONDITIONS TO AVOID</b> None
<b>INCOMPATIBILITY (Materials to avoid)</b> N/A			
<b>HAZARDOUS DECOMPOSITION/BY PRODUCTS</b> N/A			
<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>	<b>WILL NOT OCCUR</b> X	<b>CONDITIONS TO AVOID</b> N/A

<b>SECTION V — HEALTH AND SAFETY DATA</b>	
<b>ROUTES OF ENTRY</b>	Eye, oral, skin
<b>HEALTH HAZARDS (ACUTE AND CHRONIC)</b>	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.
<b>SIGNS OF SYMPTOMS OF EXPOSURE</b>	May cause nausea if ingested. If prolonged contact occurs, redness of the skin may occur.
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b>	N/A
<b>EMERGENCY AND FIRST AID PROCEDURES</b>	If ingested, dilute with water or milk. No special first aid or emergency measure required.

<b>SECTION VI — PRECAUTIONS FOR SAFE HANDLING AND USE</b>	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b>	No special precautions.
<b>OTHER PRECAUTIONS</b>	N/A
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b>	Mop up, flush down drain with excess water.
<b>WASTE DISPOSAL METHOD</b>	Non-hazardous waste.

<b>SECTION VII — SPECIAL PROTECTION INFORMATION</b>		
<b>RESPIRATORY PROTECTION (Specify Type)</b> None required with normal use.		
<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> None required with normal use	<b>SPECIAL</b> None
	<b>MECHANICAL (General)</b> Acceptable	<b>OTHER</b> None
<b>EYE PROTECTION</b> None required with normal use	<b>PROTECTIVE GLOVES</b> Plastic or rubber for extended exposure.	
<b>OTHER PROTECTIVE EQUIPMENT</b> None required with normal use.		

N/A — NOT APPLICABLE    U/N — NOT KNOWN

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.

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(203) 357-5678

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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 (Thirty (30) and Forty (40) Volume Developers)  
**Pertinent Text:** Water-like or white emulsions containing 9% or 12% levels of hydrogen peroxide, emulsifying waxes and pH buffer.  
**Product Names:** Balsam Color Developing Lotion for Shades 598 and 599, Clairoxide Developers 30 and 40 Volumes, Herbal Essences Haircolor 10, 13, 14, 16, 20,21, 22, 24, 25, 27,29,34, 48.5, 48.7, 49, 49.4, 49.5, 74,XL0, XL1, XL2, XL4, XL10, Hydrience Developer for Shades XL01,XL02 and XL03, Miss Clairol Shampoo Developers for Shades A1 and 15S, Nice'N Easy Developer for Shades 87, 88, 89, 97, 98, 101B, 103B,106B, 114C, 116B, 118B, 118C, 120C, 126, Pure White Creme Developers 30 and 40 Volumes, Revitalique Developers for Shades 08,10, 12, 14, 16, Summer Blonde Lightener Canada, Textures & Tones Developer for Shades 7G, 4RV, 6R, 8RO, Ultress Developers for Shades 11N,11G and 10N, L'Image 798, 799, 800, 801, and Xtreme FX Industrial Blonde Developer

### Section II – Ingredients

Peroxides (Thirty (30) and Forty (40) Volume Developers) generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):

CTFA NAME	CAS#
NONOXYNOL-4	7311275
CETYL ALCOHOL	36653824
ISOPROPYL PALMITATE	142916
NONOXYNOL-9	26571119
HYDROGEN PEROXIDE	7722841
PEG-50 TALLOW AMIDE	8051636
GLYCERYL STEARATE	31566311
CETEARYL ALCOHOL	67762270
STEARETH-21	977080811
PEG-50 HYDROGENATED PALMAMIDE	98000050
OLETH-5	5353275
OLETH-2	5274657
ACRYLATES COPOLYMER	25085692
C12-15 PARETH-3	98000085

### Section III - Physical/Chemical Characteristics

**Specific Gravity (H<sub>2</sub>O=1):** 0.985-1.192

**pH:** approximately 3.5

**Solubility in Water:** Miscible.

**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:

Oxidizer.

### 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 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:**

Unusable and/or spilled product should be properly contained, accumulated, segregated and managed as Hazardous Waste by appropriately trained personnel.

### **Waste Disposal Method:**

Products covered by this MSDS, in their original form, are considered hazardous waste (Oxidizer-D001) 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:** 30 and 40 Volumes Only: Consumer Commodity ORM-D

**IMDG:** 30 and 40 Volume with a limit of 1 kg/piece (inner packaging), Hydrogen Peroxide, aqueous solution, 5.1, UN2984, PGIII, Limited Quantity

**IATA/ICAO:** Not authorized by air transportation