



## MATERIAL SAFETY DATA SHEET

**Date:** 26/04/2007

**Status:** Approved

Clairol, a Division of P&G  
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Stamford, CT 06922

**Emergency Telephone Number:**  
(203) 357-5678

**Transportation Emergency:**  
Call Chemtrec 1-800-424-9300, International (collect) 703-527-3887

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:** Oxidation (Permanent) Hair Colors Ammonical - 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 Name:** Complements Permanents

### Section II - Ingredients Identity/Exposure Limits

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

<u>CTFA Name</u>	<u>CAS Number</u>
M-AMINOPHENOL	591275
N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE	58262445
RESORCINOL	108463
EXPOSURE LIMIT:10 ppm TLV, 20 ppm STEL	
P-PHENYLENEDIAMINE	106503
EXPOSURE LIMIT:0.1 mg/m3 TLV, PEL, SKIN, OSHA	
AMMONIUM HYDROXIDE	1336216
EXPOSURE LIMIT:25 ppm TLV, 35 ppm STEL, 50 ppm PEL, as AMMONIA	
STEARETH-21	977080811
LINOLEAMIDOPROPYL DIMETHYLAMINE DIMER DILINOLEATE	125804106
COCAMIDE MEA	68140001
BEHENTRIMONIUM CHLORIDE	17301530
POLYQUATERNIUM-22	53694170
DILINOLEIC ACID	6144281
FRAGRANCE	999999999

C12-15 PARETH-3  
STEARETH-21  
OLETH-10

98000085  
977080811  
24871349

### Section III - Physical/Chemical Characteristics

**Specific Gravity (H<sub>2</sub>O = 1):** 0.97 – 1.10

**Solubility in Water:** Partially miscible.

**pH:**

9.5-11.5

**Appearance and Odor:**

Fragranced liquids.  
Ammoniacal odor.

### Section IV - Fire and Explosion

#### Hazard Data

**Flashpoint:** >200<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 ByProducts:**

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 haircolors are eye irritants. When oxidation haircolors 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 haircolor 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:** Not regulated

**IMDG:** Not regulated

**IATA/ICAO:** Not regulated

**DISCLAIMER:** This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material.

It is not meant to be an all-inclusive document on worldwide hazard communication regulations. All P&G operations must comply with applicable local and national MSDS/Hazard Communication Regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment.