

## Material Safety Data Sheet

**MSDS: 0001C-1**

**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

**Product Category:** Ammoniacal Oxidation (Permanent) Hair Colors, 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:** MC Max (shades 2PR, 3R, 4PR and 6PR), Torrids, MC Gel, Miss Clairol Shampoo Formula, Complements Permanent Accent Red AR

### Section II - Ingredients

Ammoniacal Oxidation (Permanent) Hair Colors, Flammable generally contain the following hazardous ingredients:

CTFA NAME	CAS#
M-AMINOPHENOL	591275
1-NAPHTHOL	90153
N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE	58262445
2-NITRO-P-PHENYLENEDIAMINE	5307142
RESORCINOL	108463
P-PHENYLENEDIAMINE	106503
PROPYLENE GLYCOL	57556
AMMONIUM HYDROXIDE	1336216
ETHOXYDIGLYCOL	111900
ETHANOLAMINE	141435
NONOXYNOL-4	7311275
LAURAMIDE DEA	120401
PEG-8 HYDROGENATED TALLOW AMINE	61791262G
HEXYLENE GLYCOL	107415
CETYL ALCOHOL	36653824
OLEIC ACID	112801
LINOLEAMIDE DEA	56863026
SOYTRIMONIUM CHLORIDE	61790418
SODIUM LAURYL SULFATE	151213
NONOXYNOL-2	27176938
4-AMINO-2-HYDROXYTOLUENE	2835952
STEARETH-21	977080811
OCTOXYNOL-1	2315675
OLEALKONIUM CHLORIDE	37139994
DILINOLEIC ACID	6144281
COCAMIDE DEA	61791319
SULFATED CASTOR OIL	8002333
C12-15 PARETH-3	98000085

## Section II - Ingredients (cont.)

OLETH-2	5274657
OLEAMIDE MIPA	111057
1-HYDROXYETHYL-4,5 DIAMINO PYRAZOLE SULFATE	155601302
LINOLEAMIDE DEA	56863026

## Section III - Physical/Chemical Characteristics

**Specific Gravity (H<sub>2</sub>O=1):** 0.995 -1.009

**pH:** 9.5 - 10.8

**Solubility in Water:** Partly soluble.

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

## Section IV - Fire and Explosion Hazard Data

**Flashpoint:** 75 - 100<sup>0</sup>

**Unit:** 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:

Not applicable.

### Physical Hazards:

According to OSHA, these products are considered to be flammable.

## Section V - Reactivity Data

### Stability:

Stable.

### Conditions to Avoid:

Heat and sunlight.

### 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

National Toxicology Program studies on diethanolamine (DEA) itself and fatty acid condensates containing free diethanolamine (lauramide and cocamide diethanolamines) indicated an increased incidence of kidney and/or liver tumors in mice dermally exposed for their lifetime. The significance of these findings and their potential relevance to humans are not clear and further studies are in progress. Diethanolamine or its condensates did not induce tumors in rats. In the interim, the US CIR, which had previously considered these materials as "safe as used", has expressed reservation over NTP's conclusions and saw no need to revise its conclusion until several outstanding questions on the NTP methodology are answered. 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. These products contain 2-nitro-p-phenylenediamine, which when fed at extremely high doses were found to cause benign liver tumors in female mice (NTP). These effects were not observed in feeding studies in male mice or male and female rats. Independent pathologists and oncologists have concluded that the results are not relevant to human health. In topical studies no target organ toxicity was observed other than limited effects on treated skin.

## Section VI - Health Hazards and Hazard Data (cont.)

### 3. Carcinogen Status:

OSHA: No

NTP: Yes (2 Nitro PPD & DEAs)

IARC: 2 Nitro PPD & DEA are not  
Classifiable (Group 3)

### 4. Route of Entry:

Inhalation: Yes

Ingestion: Yes

Skin: Yes

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

### 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 (40 CFR 261.21 (a) (1)). Additionally, disposal should be in accordance with all applicable Local, State and Federal Regulations.

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

Follow flammable liquid handling and storage requirements. 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. Keep away from heat and other ignition sources.

## 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

**IMDG:** Ethanol Solutions (Limited Quantity) 3.3 UN1170, PGIII (Flash Point: 88<sup>o</sup>-92<sup>o</sup>F)

Oxidizing Solid N.O.S., 5.1, UN 1479, PG II or III. Limited Quantity applies only to the following products: Miss Clairol A-1 and 15S.

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

Not Authorized For Air Transportation applies only to the following products: Miss Clairol A-1 and 15S.