

Material Safety Data Sheet

MSDS: 0001A-1
Date Approved: 11/1/2000

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

Category: Oxidative (Permanent), Ammoniacal, Non-Flammable Hair Colors.

Oxidative 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: L'Image, Ultress

Section II - Ingredients/Identity Exposure Limits

Oxidative (Permanent), Ammoniacal, Non-Flammable Hair Colors 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
EXPOSURE LIMIT: 10 ppm TLV, 20 ppm STEL	
P-PHENYLENEDIAMINE	106503
EXPOSURE LIMIT: 0.1 mg/m ³ TLV, PEL, SKIN, OSHA	
HC YELLOW NO. 2	4926550
PROPYLENE GLYCOL	57556
AMMONIUM HYDROXIDE	1336216
EXPOSURE LIMIT: 25 ppm TLV, 35 ppm STEL, 50 ppm PEL, as AMMONIA	
ISOPROPYL ALCOHOL	67630
EXPOSURE LIMIT: 400 ppm TLV, PEL, 500 ppm STEL	
ETHOXYDIGLYCOL	111900
PHOSPHORIC ACID	7664382
EXPOSURE LIMIT: 1 mg/m ³ TLV, PEL, 3 mg/m ³ STEL	
NONOXYNOL-4	7311275
LAURAMIDE DEA	120401
COCAMIDE DEA	61791319
SULFATED CASTOR OIL	8002333
PEG-8 HYDROGENATED TALLOW AMINE	61791262G
OLEIC ACID	112801

Section II – Ingredients/Identity Exposure Limits (Continued)

SODIUM LAURYL SULFATE	151213
NONOXYNOL-2	27176938
4-AMINO-2-HYDROXYTOLUENE	2835952
SODIUM LAURETH-13 CARBOXYLATE	33939649G
FRAGRANCE	999999999
DILINOLEIC ACID	6144281
C12-15 PARETH-3	98000085
SOYTRIMONIUM CHLORIDE	61790418
C11-15 PARETH-9	977054902
OLEAMIDE MIPA	111057

Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O=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: > 200^o

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:

None.

Section V - Reactivity Data

Stability:

Stable.

Conditions to Avoid:

None.

Incompatibility (Materials to Avoid):

Acids.

Hazardous Decomposition or By Products:

Ammonia may be generated.

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.

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 to 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. 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: Not regulated.

IMDG: Not regulated.

IATA/ICAO: Not regulated.