

Material Safety Data Sheet-PPD

MSDS:00004**Date Approved:09/04/2001**

Clairol, a Division of P&G

One Blachley Road

Stamford, CT 06922

Emergency Telephone Number:

(203) 357-5578

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: 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, Clairesse Developing Lotions for all Shades except Shades 200, 202, 204, 205A, 206, 207 (See MSDS #4A), 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), Imprints Activating Solution, Lasting Color Developers, L'Image Developers for all Shades except Shades 800, 802, 803 and 804, Logics Attitudes Color Conductor & Color Generator, Luminize Developer, Maxi Blonde Lotion Developer, Men's Choice Developer, Motif 20 Volume Developer, Miss Clairol Shampoo Developers for all Shades except Shades A1 and 15S (See MSDS #4A), Natural Instincts Developer, Natural Instincts for Men Developer, Natural Instincts Exotics Developer, Nice 'N Easy Developers for all Shades except Shades 97, 98, and 130 (See MSDS #4A), Nuances Highlighting Mixing Creme, Option Gradual Developer, Pure White Creme Developers 10 and 20 Volumes, Radiance Color Infuser, Revitalique Developers for all Shades except Shades 08 and 10 (See MSDS #4A), Silk & Silver Developers, Ultimate Blonde Lotion Developer, Ultra Blue Creme & Lightening Developers, Ultress Developers for all Shades except Shades 11N, 11G and 10N (See MSDS #4A)

Section II - Ingredients Identity/Exposure Limits

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

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<http://internet3.pg.com/www/cfpmstd...0684E8525680A003F44DB?openDo>

<u>CTFA Name</u>	<u>CAS Number</u>
GLYCERYL STEARATE	31566311
EXPOSURE LIMIT:10 mg/m3 TLV	
PEG-100 STEARATE	90044993G
EXPOSURE LIMIT:10 mg/m3 TLV	
NONOXYNOL-4	7311275
LAURETH-4	5274680
LAURETH-23	9002920
STEARYL ALCOHOL	112925
CETYL ALCOHOL	36653824
ISOPROPYL PALMITATE	142916
POLYSORBATE 20	9005645
NONOXYNOL-9	26571119
HYDROGEN PEROXIDE	7722841
EXPOSURE LIMIT:1 ppm TLV, PEL	
PEG-50 TALLOW AMIDE	8051636
OLETH-5	5353275
GLYCERYL STEARATE	31566311
EXPOSURE LIMIT:10 mg/m3 TLV	
CETEARYL ALCOHOL	67762270
COCAMIDOPROPYL BETAINE	61789400
ACRYLATES/STEARETH-20 METHACRYLATE COPOLYMER	977109355
STEARETH-21	977080811
CETEARETH-20	68439496
CETEARYL ALCOHOL	67762270
OLETH-2	5274657
POLYQUATERNIUM-22	53694170
ACRYLATES COPOLYMER	25085692
C12-15 PARETH-3	98000085
AMODIMETHICONE	977091647
STEARETH-21	977080811
GLYCERYL STEARATE	31566311
EXPOSURE LIMIT:10 mg/m3 TLV	

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Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O = 1):0.985-1.192

Solubility in Water: Miscible.

pH:

approximately 3.5

Appearance and Odor:

Clear-water-thin liquids or viscous creamy white and bluish emulsion. Faint fragrance or no odor.

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Section IV - Fire and Explosion

Hazard Data

Flashpoint: Non combustible.

Unit:

N/A

Method:

Not applicable.

Type: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.

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<http://internet3.pg.com/wwwbc/fpmsd...0684E8525680A003F44DB?openDoc>**Physical Hazards**
None.**Section V - Reactivity Data****Stability:****Conditions to Avoid:****Incompatibility (Materials to Avoid):****Hazardous Decomposition or ByProducts:**

Unstable.
Heat and sunlight.
Reducing agents; such as waving lotions; heavy metals and many flammables. Do not use metallic bowls or stirrers.
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.

Eyes Protection:

Avoid contact with eyes. Use protective eyewear, if splashing is possible.

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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.

Printable Word Document (double click to launch Word and Print from Word)

**MATERIAL SAFETY DATA SHEET****Date Approved: September 24, 2004****Status: Approved**

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, 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 Non-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 Demi-Permanents

Section II - Ingredients Identity/Exposure Limits

Oxidative (Permanent), Non-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	
ETHANOLAMINE	141435
EXPOSURE LIMIT:3 ppm TLV, PEL, 6 ppm STEL	
STEARETH-21	977080811
LINOLEAMIDOPROPYL DIMETHYLAMINE DIMER	125804106
DILINOLEATE	
COCAMIDE MEA	68140001
BEHENTRIMONIUM CHLORIDE	17301530
POLYQUATERNIUM-22	53694170
DILINOLEIC ACID	6144281
FRAGRANCE	999999999
C12-15 PARETH-3	98000085

STEARETH-21
OLETH-10

977080811
24871349

Section III - Physical/Chemical Characteristics

Specific Gravity ($H_2O = 1$): 0.97 – 1.10

pH:

9.5-10.8

Solubility in Water: Partially miscible.

Appearance and Odor: Fragranced liquids.

Section IV - Fire and Explosion

Hazard Data

Flashpoint: $>200^{\circ}$

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

May form toxic materials (carbon dioxide, carbon monoxide).

ByProducts:

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 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.

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. To be valid, all information required by § 1910.1200(g) of the Standard must appear on this form. Consult the Standard for specific requirements. Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

IDENTITY (As Used on Label and List) **20 Volume Peroxide**

Section I

Manufacturer's Name Selected Beauty Products Co., Inc.	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code) 2649 Delany Road	Telephone Number for Information (708)623-2224
Waukegan, IL 60087	Date Prepared September 17, 1991
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity/Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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6%-20 Volume Hydrogen Peroxide (Hydrogen Peroxide and Deionized Water)

Section III — Physical/Chemical Characteristics

Bolling Point	-3.5°C	Specific Gravity (H ₂ O = 1)	
Vapor Pressure (mm Hg.)		Melting Point	
Vapor Density (AIR = 1)	unknown	Evaporation Rate (Butyl Acetate = 1)	same as water
Solubility in Water	Total		
Appearance and Odor	Clear, odorless liquid		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	non-flammable	Flammable Limits	LEL	UEL
Extinguishing Media	water			
Special Fire Fighting Procedures	none			
Unusual Fire and Explosion Hazards	none			

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Contamination of any kind
	Stable	X	

Incompatibility (Materials to Avoid)

Heavy metals, galvanized iron, coppers, alloys, rust, dirt.

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid Contamination of any kind
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic) skin irritant; eye irritant, corrosive

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure

Medical Conditions
Generally Aggravated by Exposure

Emergency and First Aid Procedures
Flush area with cold water.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Flush with large amounts of water.

Waste Disposal Method
Flush and dilute until decomposed and then flush down sewer or drain.

Precautions to Be Taken in Handling and Storing
Wear rubber gloves when applying.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves Eye Protection

Other Protective Clothing or Equipment

Work/Hygienic Practices

Other Precautions

For external use only. Use only as directed. Keep out of reach of children. Patch test is intended to identify skin reaction only; it will not necessarily predict sensitization or irritation secondary to inhalation. Read the product package insert completely.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None required for product use. For handling bulk quantities as in manufacturing, a dust mask may be used. For firefighting, wear a self-contained breathing apparatus.

Ventilation	Local Exhaust	Explosion-Proof	Special
	Mechanical(General)	Explosion-Proof	Other

Protective Gloves

Plastic or rubber gloves.

Other Protective Clothing or Equipment

For handling bulk quantities, safety glasses with side shields and protective clothing are recommended.

Work/Hygienic Practices

OSHA hazard classification: Oxidizer, irritant, slightly toxic, possible sensitizer.
DOT classification: Bulk - Oxidizing solid, N.O.S. (Potassium persulfate, sodium persulfate, ammonium persulfate) 5.1 UN 1479 PGIII.
Finished Product - Consumer Commodity, ORM-D.

MSDS

<http://internet3.pg.com/www/bcl/fpmsd...66ACD85256931004A8A34?openD>**Material Safety Data Sheet-PPD****MSDS:00005A****Date Approved:02/12/2002**

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**Product Category:** Activators and Protinators) - DOT Oxidizers**Pertinent Text:****Product Names:**

Born Blonde Activator, BW2000 Powder Lightener, Frost & Tip, Hair Painting, Nuances, Ultra Blue, Uncolor, Xtreme FX Highlighting Powder, Naturally Blonde Lightening Activator, Logics Dedusted Powder Lightener, Xtreme FX Industrial Blonde Bleach Powder

Section II - Ingredients Identity/Exposure Limits**Bleach Powders (Includes Powders, Activators and Protinators) - DOT Oxidizers generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):**CTFA NameCAS Number

SILICA

7631869

EXPOSURE LIMIT:10 mg/m³ TLV, 6 mg/m³ PEL

SODIUM METASILICATE

6834920

SODIUM LAURYL SULFATE

151213

DISODIUM EDTA

139333

HYDROXYPROPYL METHYLCELLULOSE

9004653

AMMONIUM PERSULFATE

7727540

EXPOSURE LIMIT:0.1 mg/m³ TLV

POTASSIUM PERSULFATE

7727211

EXPOSURE LIMIT:0.1 mg/m³ TLV

SODIUM PERSULFATE

7775271

EXPOSURE LIMIT:0.1 mg/m³ TLV

HYDRATED SILICA

10279579

EXPOSURE LIMIT:10 mg/m³ TLV, 6 mg/m³ PEL

CARBOMER (934)

9007163

MINERAL OIL

8012951

EXPOSURE LIMIT:5 mg/m³ TLV, PEL an an Oil Mist

MICA

12001262

EXPOSURE LIMIT:3 mg/m³ RESPIRABLE TLV, 20 MPPCF, PEL

SODIUM PERBORATE

7632044

FRAGRANCE

99999999

SODIUM COCOYL ISETHIONATE

61789320

HYDROXYETHYLCELLULOSE

9004620

Section III - Physical/Chemical Characteristics**Specific Gravity (H₂O = 1):** Powders: 0.40-0.46.Protinators/Activators:
1.06-1.29**pH:**

N/A.

Solubility in Water:

Not miscible.

Appearance and Odor:Off-white or tinted powders
with sharp odor.

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<http://internet3.pg.com/wwwbc/fpmsd...66ACD85256931004A8A34?openD>

Section IV - Fire and Explosion

Hazard Data

Flashpoint: Not applicable. Unit: N/A
Method: Not applicable. Type: Not applicable.

Fire Fighting Procedures:

Deluge with water, ABC all-purpose or CO2 extinguisher. The type of extinguisher should conform to local fire regulations.

Unusual Fire and Explosion Hazards:

Avoid contamination with combustible organic matter (e.g. oil, sawdust, damp paper towels, etc.), metal, powder, or reducing agents. Upon contamination with moisture, damp organic liquids or powders, decomposition can occur, leading to fire. On decomposition, releases oxygen which may intensify fire.

Physical Hazards

Not applicable.

Section V - Reactivity Data

Stability:

Conditions to Avoid:

Incompatibility (Materials to Avoid):
Hazardous Decomposition or
ByProducts:

Stable under normal storage and handling conditions.
Heat, moisture, reducing agents such as waving lotions. Decomposes in storage under conditions of excess heat or moisture.
Acids, alkalis, halides, heavy metals, combustible materials.
Ammonia, oxygen, ozone and fumes of sulfuric acid.

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. Eye irritant. When the bleach powders are mixed with hydrogen peroxide, the mixture may cause severe irritation and possible permanent eye injury.

Skin Contact:

May induce irritation or allergic skin reaction in sensitized individuals.

Inhalation:

Respiratory tract irritant. May cause asthmatic attack in sensitive individuals.

Ingestion:

Moderately toxic.

2. Effects of Chronic Exposure

For purposes of chronic exposure under the OSHA Hazard Communication Standard, these are untested mixtures. They contain ingredients that may present health hazards. These are amorphous silicas, ammonium persulfates, potassium persulfates and sodium persulfates. These ingredients are irritating to skin and mucous membrane of the eyes and respiratory system. They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.

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, 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 allergic reaction 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:

Small quantities (less than a cupful), in solution with water, can be disposed via local treatment system, in

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accordance with appropriate Local and Government Regulations. Large amounts should be swept up gently (to avoid dusting) and placed in a clean, dry container for disposal. Do not mix with other waste. CAUTION: Mixing bleach powder with other organic materials such as paper towels, clothing (particularly if it is damp) MUST be avoided.

Waste Disposal Method:

Products covered by this MSDS, in their original form, are considered 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, dry, and well ventilated area. Avoid hot and humid environment. Avoid reducing agents such as waving lotions. Do not store bleach powder after it has been mixed with developer and lightener lotion; the container may rupture. Avoid exposure to, or contamination with, liquid or damp organic materials (e.g. paper towels, wood, clothing, etc.). If contaminated, spontaneous combustion may occur. Reseal plastic bag and canister top tightly to keep out moisture and other contaminants. Do not generate dust when transferring and handling bleach powders.

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 or 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: Oxidizing Solid,
N.O.S., (Potassium
Persulfate,
Ammonium
Persulfate, Sodium
Persulfate), (List
appropriate
content) 5.1, UN
1479, PGIII,
Limited Quantity

IATA/ICAO: Not Authorized
For Air
Transportation

Printable Word Document (double click to launch Word and Print from Word)



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Material Safety Data Sheet

MSDS: 00002
Date: 26/04/2007
Clairol, A Division of P&G
One Blachley Road
Stamford, CT 06922

Status:

Emergency Telephone Number:
(203) 357-5878

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: Semipermanent Hair Colors.
Important Text: Non- ammoniacal hair dye formulations used without peroxide.
Product Names: Beautiful Collection Semi Permanent, Born Blonde Toner, Glorious Grays, Jazzing Shades
94,96,97,98,99, Xtreme FX Color Shocks, Loving Care

Section II - Ingredients

Semipermanent Hair Colors generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):

CTFA NAME	CAS#
ETHOXYDIGLYCOL	111900
HYDROXYETHYLCELLULOSE	9004620
PEG-50 TALLOW AMIDE	8051636
AMINOMETHYL PROPANOL	124685
IIC BLUE NO. 2	33229244
TRIMETHYLSILYLAMODIMETHICONE	977068826
BENZYL ALCOHOL	100516
PROPYLENE GLYCOL	57556
2,3,4-TRIMETHYL-1,3-PENTANEDIOL	144194
FRAGRANCE	.999999999
AMMONIUM LAURYL SULFATE	2235543
CITRIC ACID	77929
DISPERSE BLUE 3	2475469
DISPERSE BLUE 377	67674264

Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O=1): 0.992 -1.007

pH: 8.3-9.3

Solubility in Water: Miscible.

Appearance and Odor: Clear fragranced amber liquid.

Section IV - Fire and Explosion Hazard Data

Flashpoint: > 200°

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:

None.

Physical Hazards:

None.

TRADE
MSDS #2

Section V - Reactivity Data

Stability: Stable.
Conditions to Avoid: Heat and sunlight.
Incompatibility (Materials to Avoid): Not applicable.
Hazardous Decomposition or By Products: None.

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. Eye irritant.

Skin Contact:

May cause skin irritation or sensitization in sensitized individuals.

Inhalation:

Not likely to be irritating.

Ingestion:

Moderately toxic.

2. Effects of Chronic Exposure

The semipermanent dye products have been tested in lifetime skin painting studies on laboratory animals. No adverse effects on growth, reproduction or general health were observed. In topical studies, other than limited effect on treated skin, no target organ toxicity was observed to any organ.

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 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 are considered non-hazardous waste according to RCRA. 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.

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.

IROL INC.

TRADE
MSDS # 12
Revised: August, 1993

MATERIAL SAFETY DATA SHEETS

Page 1 of 3

Product Name/Category: Hair Dye Removers (Metalex)

SECTION I -

Manufacturer's Name: Clairol Inc.

Address (Number, Street, City, State, and ZIP Code):

One Blachley Road, Stamford, CT 06922

Emergency Telephone Number: Date Prepared: Transportation Emergency:

(203) 357-5678 May, 1986 Call Chemtrec 1-800-424-9300

This sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard.

SECTION II - Ingredients Identity/Hazards Evaluation

Hair Dye Removers generally contain (1% concentration or greater):

<u>CTFA NAME</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>
Sulfated Castor Oil	8002-33-3	
Propylene Glycol	57-55-6	
Salicylic Acid	69-72-7	
Triethanolamine	102-71-6	
Acrylates/Steareth-20		
Methacrylate Copolymer	Unknown	

SECTION III - Physical/Chemical Characteristics

Specific Gravity ($H_2O = 1$): Approximately 1.05

Solubility in Water: Highly soluble. Appearance and Odor: Clear fragrancd amber liquid.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (method Used): Not applicable.

Fire Fighting Procedures:

Extinguishing Media: Water, ABC all purpose extinguisher, CO₂ extinguisher.
The type of fire extinguisher used should be in conformance with local fire regulations.

Unusual Fire and Explosion Hazards: None.

Physical Hazards: None.

SECTION V - Reactivity Data

Stability: Stable Conditions to Avoid: None.

Incompatibility (Materials to Avoid): Not applicable.

Hazardous Decomposition or Byproducts:

Sulfated Castor oil may generate sulfuric acid under strong acid conditions.

SECTION VI - Health Hazard Data

The TLV of the mixture has not been established.

1. Effects of Acute Accidental Exposure.

Eye Contact: Eye irritant. CAUTION: If Metalex is mixed with developer (hydrogen peroxide) the mixture may cause severe irritation and possible permanent eye damage.

Skin Contact: Irritation not likely.

SECTION VII - (Continued)

Precautions to Be Taken in Handling and Storing: None.

SECTION VIII - Control Measures

Ventilation: Special ventilation not required.

Eye Protection: None required.

Protective Gloves: May be necessary if dermatitis develops.

Respiratory protection: None required.

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 small spills.

DOT Class:

None.



MATERIAL SAFETY DATA SHEET

Date Approved:

Clairol, a Division of P&G
One Blachley Road
Stamford, CT 06922
Emergency Telephone Number:
(203) 357-5678

Status: Draft

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: Semi-permanent Hair Colors
Pertinent Text: Non- ammoniacal hair dye formulations used without peroxide
Product Name: Jazzing Tints Shades 94, 96, 97, 98, 99

Section II - Ingredients Identity/Exposure Limits

CTFA NAME	CAS#	Exposure Limit
AMINOMETHYL PROPANOL	124685	
BOTANICAL BLEND	999999999	
CARBOMER	999999999	
CITRIC ACID	77929	
ERYTHORBIC ACID	89-65-6	
ETHOXYDIGLYCOL	111900	
FRAGRANCE	999999999	
GLYCERIN	56815	AS A MIST 10 mg/m ³ TLV, 15 mg/m ³ TOTAL: 5 mg/m ³ RESPIRABLE OSHA PEL
HYDROLYZED VEGETABLE PROTEIN	100209-45-8	
HYDROLYZED WHEAT PROTEIN	94350-06-81	
HYDROXYETHYLCELLULOSE	9004620	
ISOPROPYL ALCOHOL	67630	400 ppm TLV, PEL, 500 ppm STEL
LAURYL POLYGLUCOSE	110615-47-9	
PANTHENOL	16485-10-2	
PEG-50 TALLOW AMIDE	8051636	
TRIMETHYLSILYLAMODIMETHICONE	977088826	
DISPERSE BLACK 9	20721-50-0	
DISPERSE BLUE 377	67674-24-4/ 4471-41-4/ 67701-36-4	3mg/m ³ respirable dust/ 10mg/m ³ inhalable dust ACGIH TLV; 5mg/m ³ respirable dust/ 15mg/m ³ inhalable dust OSHA PEL
DISPERSE VIOLET 1	128-95-0	
HC BLUE NO. 2	33229344	
HC YELLOW 2	4926-55-0	
HC YELLOW 4	59820-43-8	
HC ORANGE 1	54381-08-7	
HC RED 1	2784-89-6	
HC RED 3	2871-01-4	

Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O = 1): 0.956-0.974 pH: 9.2-10.5
Solubility in Water: Miscible Appearance and Odor: Fragranced free flowing liquid

Section IV - Fire and Explosion Hazard Data

Flashpoint: > 200° 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: None

Physical Hazards: None

Section V - Reactivity Data

Stability: Stable
Conditions to Avoid: Heat and sunlight
Incompatibility (Materials to Avoid): Not applicable
Hazardous Decomposition or By Products: None

Section VI - Health Hazards and Hazard Data**1. Effects of Acute Accidental Exposure:**

Eye Contact: CAUTION. Eye irritant.
Skin Contact: May cause skin irritation or sensitization in sensitized individuals.
Inhalation: Not likely to be irritating.
Ingestion: Moderately toxic.

2. Effects of Chronic Exposure:

The semipermanent dye products have been tested in lifetime skin painting studies on laboratory animals. No adverse effects on growth, reproduction or general health were observed. In topical studies, other than limited effect on treated skin, no target organ toxicity was observed to any organ.

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 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.

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.

Material Safety Data Sheet

MSDS: 00003
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: Temporary Hair Colors.
Pertinent Text: Temporary Hair Colors contain hair dyes that are only deposited near the surface of the hair.
No Patch Test required.
Product Names: Jazzing-All Shades except 94,96,97,98,99 (See MSDS #2).

Section II - Ingredients

Temporary Hair Colors generally contain the following hazardous ingredients (1% concentration or greater; 0.1% for carcinogens):

CTFA NAME	CAS#
RED 4	4948332
BLUE 1	3844439
ORANGE 4	633965
CITRIC ACID	77929
AMMONIUM LAURYL SULFATE	2233343
HYDROXYETHYLCELLULOSE	9004620
2,2,4-TRIMETHYL-1,3-PENTANEDIOL	144194

Section III - Physical/Chemical Characteristics

Specific Gravity (H₂O=1): 0.995-1.003

pH: 2.7 - 5.50

Solubility in Water: Soluble.

Appearance and Odor: Fragranced liquids.

Section IV - Fire and Explosion Hazard Data

Flashpoint: >200°

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:

Heat and sunlight.

Incompatibility (Materials to Avoid):

Not applicable.

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. Eye irritant.

Skin Contact:

Potential skin irritant.

Inhalation:

Not likely to be irritating.

Ingestion:

Moderately toxic.

2. Effects of Chronic Exposure

For purposes of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture. These products have been used extensively by consumers. Beauty Care is not aware of any significant adverse reactions provided good work practices are followed (wash off skin and remove contaminated clothing). Repeated skin exposure may result in dermatitis.

Target Organs: None identified.

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 a skin reaction 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 Local, State and Federal Regulations.

Precautions to be Taken in Handling and Storage:

Do not expose to sunlight. Keep away from radiators and heat.

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.

MATERIAL SAFETY DATA SHEET

COMPANY ADDRESS: Colomer USA
5344 Overmyer Drive
Jacksonville, Fl. 32254
Telephone #: (904) 693-1200

DATE OF REVIEW: 2/9/05

SECTION I. MATERIAL IDENTIFICATION

BULK NO: 450117 and others

Product Name: ROUX FANCI-FULL RINSE AND COLOR CORRECTORS - ALL SHADES
(RETAIL AND PROFESSIONAL)

SECTION II. INGREDIENTS

Water	Hexylene Glycol
Fragrance	Hydroxyethylcellulose
Benzyl Alcohol	Stearalkonium Chloride

MAY ALSO CONTAIN: FD&C Yellow #6, D&C Yellow #10, D&C Green #5, D&C Red #33,
Direct Red 80, Direct Black 51, Acid Orange 24, Acid Violet 43,
Ext. D&C Violet #2, Octoxynol-1, PEG-2 Oleamonium Chloride,
Isopropanol

SECTION III. PHYSICAL DATA

Appearance & Odor: Fragranced, colored liquid.

SECTION IV. FIRE AND EXPLOSION DATA

<u>Flash Point & Method</u>	<u>Autoignition Temp.</u>	<u>Flammability Limits in Air</u>	<u>Lower</u>	<u>Upper</u>
NOT FLAMMABLE	N/A	N/A	N/A	N/A

Extinguishing Media: Water, ABC all purpose extinguisher or CO₂ extinguisher.

Special fire fighting procedures: N/A

SECTION V. REACTIVITY DATA

Stability	Stable-----XX Unstable---	Conditions to avoid: N/A
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Incompatible with: N/A

Hazardous decomposition products: N/A

Hazardous polymerization: May occur----- Will not occur-XX	Conditions to avoid: N/A
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PRODUCT NAME: ROUX FANCI-FULL RINSE AND COLOR CORRECTORS - ALL SHADES
(RETAIL AND PROFESSIONAL)

SECTION VI. HEALTH HAZARD INFORMATION

TLV: None Established

Effects of overexposure: May cause eye irritation.

First Aid:

Eye Contact: Wash immediately with lukewarm water.

Skin Contact: Wash immediately with water.

Inhalation: N/A

Ingestion: Gleason Toxicity Rating: 1
Practically non-toxic if ingested.

SECTION VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spills, Leaks: Mop and flush with water. Floors can be slippery when wet. Wash floor with detergent and water.

Disposal: Consult applicable Local and State Regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory protection: None Required

Ventilation: None Required

Protective Gloves: Use rubber gloves.

Other protective equipment:
None Required

Eye protection:
Avoid contact with eyes

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

Storage & Handling Information

Store in a room with even, normal temperatures away from heat. Do not expose to sunlight. Keep away from radiators and heating elements.

DOT Class: Not hazardous.

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Colomer USA extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

HAZARD RATING			
FIRE:	4	0 = Insignificant	
TOXICITY:	1	1 = Slight	
REACTIVITY:	1	2 = Moderate	
SPECIAL:	-	3 = High	
		4 = Extreme	

DowBrands

DowBrands L.P.
5601 East River Road
Fridley, MN 55432

MSDS CODE: J62

24 HOUR EMERGENCY ASSISTANCE: 1-612-571-1234

Page 1 of 2

I. MATERIAL IDENTIFICATION

PRODUCT NAME: VITA/E® Ultra Hold Hair Spray (Aerosol Hair Fixative)

SYNONYM: None

CHEMICAL FORMULA: Mixture

CAS NUMBER: None

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT HAZARD CLASS/ID NO: ORM-D

EXPORT: Boxed Aerosol Dispenser

EXPORT: IMO Class 9, Group 2, UN1950

U. S. SURFACE FREIGHT CLASSIFICATION: Toilet Preparation, NOI

DOT LABELING: None

II. INGREDIENTS

MATERIAL	CAS NUMBER	PERCENT	TLV (units)	HAZARD DATA
Ethanol 40B	64-17-5	< 75	1000 ppm TWA Eye irritant.	ACGIH Mfr.
Butane	106-97-8	< 25	800 ppm TWA	ACGIH
Propane	74-98-6	< 12	Simple asphyxiant.	ACGIH

Also contains: Vitamin E, resin, silicone, neutralizing agent, and fragrance. May also contain isobutane.

Ingredients not precisely identified are proprietary and non hazardous.

III. PRECAUTIONARY STATEMENTS

WARNING: FLAMMABLE. Do not spray near open flame or while smoking. Avoid spraying in eyes. Contents under pressure. Do not puncture or incinerate. Do not store at temperatures above 120°F. **KEEP OUT OF REACH OF CHILDREN.** Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

IV. PHYSICAL DATA

BOILING POINT, 760 mm Hg:	na	VAPOR PRESSURE at 20°C:	44 psig
SPECIFIC GRAVITY (H ₂ O = 1):	0.8	SOLUBILITY IN WATER:	73%
VAPOR DENSITY (air = 1)	>1	EVAPORATION RATE (water = 1):	>1
VOLATILES BY VOLUME, %:	>75	pH:	na
APPEARANCE AND ODOR:	Fragranced aerosol spray		

V. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: - 156°F FLAMMABLE LIMITS IN AIR: LEL: 1.8% UEL: 9.5%

EXTINGUISHING MEDIA: ABC all-purpose extinguisher or CO₂ extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES: Use positive pressure, self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may be ignited by flames, sparks, pilot lights, electrical and ignition sources.

® = Trademark of DowBrands L.P.

na = not applicable; ca = approximately; < = less than; > = greater than

MATERIAL SAFETY DATA SHEET

DowBrands L.P. 5601 East River Road Fridley, MN 55432

Product Name: VITA/E® Ultra Hold Hair Spray (Aerosol Hair Fixative)

MSDS CODE: J62

Page 2 of 2

VI. HEALTH HAZARD INFORMATION

HAZARD DATA: Test results indicate this product is an ocular irritant, but not a dermal irritant. When tested in accordance with FHSA, the product was determined to be not toxic. Oral LD50 in rats: > 5.0 g/kg.

EFFECTS OF OVEREXPOSURE: Eye injury may occur if product is sprayed directly into the eyes.

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Flush eyes immediately with plenty of clean, lukewarm water. If irritation or discomfort continues, seek medical attention. INHALATION: Remove person to fresh air and call a physician immediately.

VII. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Avoid oxidizing agents.

CONDITIONS TO AVOID: Impact, open flame, sunlight, heat above 120°F, ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: None. **HAZARDOUS POLYMERIZATION:** Will not occur.

VIII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

For Large Spill: Dike far ahead of spill and collect for later disposal.

WASTE DISPOSAL METHOD: Do not puncture or incinerate. Consult applicable local, state and federal regulations. Notify treatment plant in case of large spill.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Not required.
VENTILATION:	Should be adequate to avoid irritating concentrations. Use exhaust system.
PROTECTIVE GLOVES:	Not required.
EYE PROTECTION:	Not required.
OTHER PROTECTIVE MEASURES:	None.

X. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in accordance with NFPA 30B for Level II aerosols.
FLAMMABLE: Do not puncture or incinerate. Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Do not store at temperatures above 120°F. Store in a room with even, normal temperature away from sunlight, radiators, and heating elements.

OTHER PRECAUTIONS: STORE OUT OF REACH OF CHILDREN.

PREPARED BY: SSR
REVIEWED BY: DRN; SJE; JCR; JGA; CJM

REVISED: 11/93
SUPERSEDES: 08/93

SECTION REVISED: Overall format changes.

Judgements as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, DowBrands extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences for its use.