Material Safety Data Sheet

according to ANSI Z400.1-2004

CLAIRLOl PROFESSIONAL PERMANENT COLOR

Print date : 07.09.2006
Product code : CLAIROL COLOR
Page 1 of 6

1. Product and Company Identification

Commercial product name
CLAIRLOl PROFESSIONAL PREMIUM CREME COLOR

Further product name

SHADES AND FORMULA NUMBERS:
ULTRA RICHE NEUTRALS:
3NN=8260398G ; 4NN=8260396L ; 5NN=8260394K ; 6NN=8260392L ; 7NN=81413136A ;
8NN=81413134E
NEUTRALS:
1N=81413138E ; 2N=82110130I ; 3N=82110160G ; 4N=8211082V ; 5N=82110158F ; 6N=82110166P ;
7N=82110134J ; 8N=82110136L ; 10N=82110128G
GOLD NEUTRALS:
3GN=81413154H ; 4GN=81413152C ; 5GN=8211086R ; 6GN=81413150B ; 8GN=81413148D
GOLD:
3G=82110150E ; 4G =82110148E ; 6G=82110146P ; 7G=82110144F ; 8G=8211090B ; 10G=8211092L
RED NEUTRALS:
3RN=8141392E ; 4RN=81413132A ; 6RN=81413166D ; 7RN=8141398G ; 8RN=8141390I
REDS:
5R=82110138H
HI INTENSITY REDS:
3RR=82110142L ; 4RR=82110140E ; 6RR=82110126B
ASH:
4A=81413164F ; 5AA=8141396F ; 6AA=81413162D ; 7A=81413176B ; 8A=81413160E ; 9AA=81413158C
10A=81413156E

Chemical characterization (preparation)
Finished product maximum <5% dyes

Information manufacturer / supplier

Company name : Clairol, P&G Beauty Care
Street : One Blachley Road
Place : Stamford, CT 06922
Internet : www.pg.com
Telephone: Transportation Emergency telephone USA only: call CHEMTREC 1-800-424-9300
Emergency telephone : (203) 357-5678
International Emergency Telephone (collect): 703-527-3887

2. Hazards Identification

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

Signs and Symptoms of Exposure
Irritating to eyes. (Risk of serious damage to eyes.)
Irritating to skin.
Irritating to respiratory system.
May cause sensitization by skin contact.
May produce an allergic reaction.
Harmful if swallowed.

Carcinogenicity (NTP) : No
Material Safety Data Sheet

according to ANSI Z400.1-2004

CLAIROL PROFESSIONAL PERMANENT COLOR

Print date : 07.09.2006
Product code : CLAIROLCOLOR
Page 2 of 6

Carcinogenicity (IARC) : No
Carcinogenicity (OSHA) : No

3. Composition/Information on Ingredients

Hazardous components

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Components</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>615-50-9</td>
<td>2-METHYL-P-PHENYLENE DIAMINE SULFATE (TOLUENE-2,5-DIAMINE SULFATE)</td>
<td>max.2%</td>
</tr>
<tr>
<td>2835-95-2</td>
<td>5 AMINO-O-CRESOL (4 AMINO-2-HYDROXYTOLUENE)</td>
<td>&lt;2%</td>
</tr>
<tr>
<td>123-30-8</td>
<td>4 AMINOPHENOL (P AMINOPHENOL)</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>108-46-3</td>
<td>RESORCINOL</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>89-25-8</td>
<td>3-METHYL-1-PHENYL-5-PYRAZOLONE (PHENYL METHYL PYRAZOLONE)</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>608-25-3</td>
<td>2-METHYLRESORCINOL</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>54381-16-7</td>
<td>(P AMMONIOPHENYL)BIS(2 HYDROXYETHYL)AMMONIUM SULPHATE (N N-BIS(2 HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE)</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>591-27-5</td>
<td>3 AMINOPHENOL (M AMINOPHENOL)</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>90-15-3</td>
<td>1 NAPHTHOL</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>66422-95-5</td>
<td>2 (2 4 DIAMINOPHENOXO)ETHANOL DIHYDROCHLORIDE (2,4 DIAMINOPHENOXETHANOL HCL)</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>94158-14-2</td>
<td>2-(1,3-BENZODIOXOL-5-YLAMINO)ETHANOL HYDROCHLORIDE</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>155601-30-2</td>
<td>1-(HYDROXYETHYL)-1H-PYRAZOLE- 4,5-DIYLDIAMMONIUM SULPHATE (1 HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE)</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>1310-73-2</td>
<td>SODIUM HYDROXIDE</td>
<td>&lt;0.5%</td>
</tr>
<tr>
<td>1336-21-6</td>
<td>AMMONIA,AQUEOUS SOLUTION 25%</td>
<td>5% - 15%</td>
</tr>
<tr>
<td>5274-65-7</td>
<td>POLYOXYETHYLENE(2) OLEOYL ETHER (OLETH-2)</td>
<td>5% - 10%</td>
</tr>
<tr>
<td>141-43-5</td>
<td>2 AMINOETHANOL</td>
<td>3% - 7%</td>
</tr>
<tr>
<td>67-63-0</td>
<td>PROPANE-2-OL (ISOPROPYL ALCOHOL)</td>
<td>3% - 5%</td>
</tr>
<tr>
<td>68131-39-5</td>
<td>POLYOXYETHYLENE(3) C12-15 ALKYL ETHER (C12-15 PARETH-3)</td>
<td>3% - 5%</td>
</tr>
<tr>
<td>61790-41-8</td>
<td>QUATERNARY AMMONIUM COMPOUNDS,TRIMETHYLSOYAALKYL-,CHLORIDES</td>
<td>3% - 5%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

General information
Immediately rinse any splashes on the skin and clothing

After inhalation
Move to fresh air. If symptoms persist, call a physician.

After contact with skin
Wash off with soap and water.
If skin irritation persists, call a physician.

After contact with eyes
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion
Do not induce vomiting.
Clean mouth with water and drink afterwards plenty of water.
Call a physician or Poison Control Centre immediately.

5. Fire Fighting Measures
Suitable extinguishing media
- sprayed water stream
- alcohol-resistant foam / chemical fire extinguisher
- carbon dioxide (CO2)

Special exposure hazards arising from the chemical
- The release of the following substances is possible in a fire:
  - nitrogen oxides (NOx)
  - carbon oxides

Special protective equipment for firefighters
- Wear self-contained breathing apparatus and protective suit.

Additional information
- Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions
- Ensure adequate ventilation.
- Avoid contact with skin, eyes and clothing.
- Do not breathe in vapours.

Environmental precautions
- Do not flush into surface water or sanitary sewer system.
- Avoid subsoil penetration.

Methods for cleaning up/taking up
- Wipe up with absorbent material (e.g. cloth, fleece).
- After cleaning, flush away traces with water.

7. Handling and Storage

Handling

Advice on safe handling
- Avoid contact with skin, eyes and clothing.
- Do not breathe vapour.
- Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion
- non-combustible
- If the components are mixed in a bottle: Do not leave the mixture in the closed bottle (bottle may expand/burst)

Further information on handling
- Follow the instructions
- Do not use hair dyes if you have already experienced an adverse reaction to a hair colorant.
- Do not use the hair dye if the scalp is sensitive or shows abrasions or scratches.
- Do not use to dye eyelashes or eyebrows.
- Use mixture immediately. Do not use any leftovers. Dispose of promptly.
- Do not exceed the development time stated.
- Rinse hair well after application.
- Do not use when the hair has previously been coloured with metal dyes.
- Do not perm the hair immediately before or after dyeing the hair.

Storage

Requirements for storage rooms and vessels
Keep in a dry, cool place.
Protect from heat and direct sunlight.
Keep out of reach of children.

Further information on storage conditions
Keep at temperatures above 0 °C.
Keep at temperatures not exceeding 40 °C.

8. Exposure Controls/Personal Protection

Exposure limit values

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Components</th>
<th>ml/m³</th>
<th>mg/m³</th>
<th>fib/cc</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-41-7</td>
<td>Ammonia</td>
<td>50</td>
<td>35</td>
<td></td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
<tr>
<td>141-43-5</td>
<td>Ethanolamine</td>
<td>3</td>
<td>6</td>
<td></td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
<tr>
<td>67-63-0</td>
<td>Isopropyl alcohol</td>
<td>400</td>
<td>980</td>
<td></td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
<tr>
<td>1310-73-2</td>
<td>Sodium hydroxide</td>
<td></td>
<td>2</td>
<td></td>
<td>TWA (8 h)</td>
<td>PEL</td>
</tr>
</tbody>
</table>

Exposure controls

Occupational exposure controls
The maximum occupational exposure limit will not be reached under normal conditions of use

Protective and hygiene measures
When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.

Hand protection
Wear enclosed gloves.

9. Physical and Chemical Properties

Appearance

Form : gel
Color : various ; clear
Odor : perfumed ; ammoniacal

Important health, safety and environmental information

Test method

Changes in the physical state
Flash point : >203°F (95 °C) cc, ISO 3679

Oxidizing properties
Not applicable
Water solubility : completely miscible
Viscosity / dynamic : 1500 - 4000 mPa·s

Solvent content
3% - 5%

10. Stability and Reactivity

Stability
Stable

Materials to avoid
strong oxidising agents
Possibility of Hazardous Reactions
May occur

11. Toxicological Information

Acute toxicity
Harmful if swallowed. (calculated)

Corrosive and irritant effects
Eye irritation:
Irritating to eyes. (Risk of serious damage to eyes.)
Skin irritation:
Irritating to skin.
Irritating to respiratory system.

Sensitising effects
May cause sensitization by skin contact.
May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction
4-AMINOPHENOL (P-AMINOPHENOL):
is classified by the European Union as a mutagen of category 3 "Category 3 corresponds to "substances and preparations which may induce heritable genetic defects or increase their incidence"."
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15. Regulatory Information

U.S. Regulations

National Inventory TSCA

Cosmetic products are not regulated under TSCA.

16. Other Information

Other data

Canada:WHMIS classification: D2B

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)