

SAFETY DATA SHEET



Issuing Date: 06-Mar-2015

Revision Date: 06-Mar-2015

Version 1

1. IDENTIFICATION

| | |
|---------------------|--|
| Product Name | Clairol Professional Soy 4Plex liquicolor Light Red Neutral Brown |
| Product ID: | 98858002_PROF_NG |
| Product Type: | Finished Product - Professional Use Only |
| Recommended Use | Personal Beauty Care Product |
| Synonyms | Clairol Professional Soy 4Plex liquicolor dark red violet brown (98864858_PROF_NG) |
| Manufacturer | The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati OH 45241 +1 513 626-2500 |
| E-mail Address | pgsds.im@pg.com |
| Emergency Telephone | Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531 |

2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

| | |
|---------------------------|--|
| Acute toxicity - Oral | Category 4 |
| Skin corrosion/irritation | Category 1 |
| Subcategory | Sub-category B |
| Eye Damage / Irritation | Category 1 |
| Skin sensitization | Category 1 |
| Flammable Liquids | Category 3 |
| Signal Word | DANGER |
| Hazard Statements | Harmful if swallowed Causes severe skin burns and eye damage May cause an allergic skin reaction FLAMMABLE LIQUID AND VAPOR |
| Hazard pictograms | |



Precautionary Statements - Prevention

Keep container tightly closed
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves and protective clothing
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Wash hands thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Response

In case of fire: Use water, CO₂, dry chemical, or foam for extinction
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

| Chemical Name | Synonyms | Trade Secret | CAS-No | Weight % |
|---|----------|--------------|------------|-----------|
| OLETH-2 | - | No | 9004-98-2 | 5 - 10 |
| Propylene glycol | - | No | 57-55-6 | 5 - 10 |
| Isopropanol | - | No | 67-63-0 | 5 - 10 |
| Alcohols, C12-15, ethoxylated | - | No | 68131-39-5 | 1 - 5 |
| 2-Aminoethanol | - | No | 141-43-5 | 1 - 5 |
| Ethoxydiglycol | - | No | 111-90-0 | 1 - 5 |
| Quaternary ammonium compounds, trimethylsoya alkyl, chlorides | - | No | 61790-41-8 | 1 - 5 |
| Ammonia solution | - | No | 1336-21-6 | 1 - 5 |
| Hexylene Glycol | - | No | 107-41-5 | 1 - 5 |
| Phenol, 5-amino-2-methyl- | - | No | 2835-95-2 | 0.1 - 1.0 |
| 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl- | - | No | 89-25-8 | 0.1 - 1.0 |
| N,N-Bis(2-Hydroxyethyl)-p-Phenylene diamine Sulfate | - | No | 54381-16-7 | 0.1 - 1.0 |
| p-Phenylene diamine | - | No | 106-50-3 | 0.1 - 1.0 |

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact

Rinse with plenty of water. Get medical attention immediately if irritation persists. IF IN

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

Inhalation

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms/effects, acute and delayed

Risk of serious damage to eyes. May cause burns. May cause sensitization by skin contact.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flammable liquid and vapor

Suitable extinguishing media

Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Special hazard

Fumes may catch fire.

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical

None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective gloves/clothing and eye/face protection. Do not get in eyes, on skin, or on clothing.

Advice for emergency responders

Use personal protective equipment as required.

Environmental precautions

Keep out of waterways. Do not discharge product into natural waters without pre-treatment or adequate dilution.

Methods and materials for containment and cleaning up

Methods for containment

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Keep container closed when not in use. Never return spills in original containers for re-use. Use personal protective equipment as required. Keep out of the reach of children. Keep away from open flames, hot surfaces and sources of ignition.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from open flames, hot surfaces and sources of ignition. Store away from other materials.

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a cool/low-temperature, well-ventilated, dry place away from heat and ignition sources.

Incompatible products

None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | CAS-No | ACGIH TLV | OSHA PEL | Mexico PEL |
|---------------------|----------|-------------------------------|---|---|
| Isopropanol | 67-63-0 | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³ | Mexico: TWA 400 ppm Mexico: TWA 980 mg/m ³ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m ³ |
| 2-Aminoethanol | 141-43-5 | STEL: 6 ppm TWA: 3 ppm | TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³ | Mexico: TWA 3 ppm Mexico: TWA 8 mg/m ³ Mexico: STEL 6 ppm Mexico: STEL 15 mg/m ³ |
| Hexylene Glycol | 107-41-5 | Ceiling: 25 ppm | (vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m ³ | Mexico: Ceiling 25 ppm Mexico: Ceiling 125 mg/m ³ |
| p-Phenylene diamine | 106-50-3 | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ (vacated) TWA: 0.1 mg/m ³ (vacated) S* S* | Mexico: TWA 0.1 mg/m ³ |

| Chemical Name | CAS-No | Alberta | Quebec | Ontario TWAEV | British Columbia |
|---------------------|----------|--|---|--|--|
| Propylene glycol | 57-55-6 | | | TWA: 10 mg/m ³ TWA: 50 ppm TWA: 155 mg/m ³ | |
| Isopropanol | 67-63-0 | TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³ | TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³ | TWA: 200 ppm STEL: 400 ppm | TWA: 200 ppm STEL: 400 ppm |
| 2-Aminoethanol | 141-43-5 | TWA: 3 ppm TWA: 7.5 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³ | TWA: 3 ppm TWA: 7.5 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³ | TWA: 3 ppm STEL: 6 ppm | TWA: 3 ppm STEL: 6 ppm |
| Ethoxydiglycol | 111-90-0 | | | TWA: 30 ppm TWA: 165 mg/m ³ | |
| Hexylene Glycol | 107-41-5 | Ceiling: 25 ppm Ceiling: 121 mg/m ³ | Ceiling: 25 ppm Ceiling: 121 mg/m ³ | CEV: 25 ppm | Ceiling: 25 ppm |
| p-Phenylene diamine | 106-50-3 | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ Skin | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ Sensitizer |

No relevant exposure guidelines for other ingredients

Exposure controls

Engineering Measures

Manufacturing Sites:

Ensure adequate ventilation

Distribution, Workplace and Household Settings:

Not applicable

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

Personal Protective Equipment

Eye Protection

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):

Use appropriate eye protection

Manufacturing Sites:

Wear eye/face protection

Distribution, Workplace and Household Settings:

Requires Eye Protection

Hand Protection

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):

Protective gloves

Manufacturing Sites:

Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion

Distribution, Workplace and Household Settings:

Protective gloves

Skin and Body Protection

Wear protective gloves/clothing

Manufacturing Sites:

Distribution, Workplace and Household Settings:

No special protective equipment required

Respiratory Protection

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):

In case of insufficient ventilation wear suitable respiratory equipment

Manufacturing Sites:

Do not breathe vapors, mist or gas

Distribution, Workplace and Household Settings:

No special protective equipment required

Hygiene measures

Manufacturing Sites:

Wash hands thoroughly after handling

Distribution, Workplace and Household Settings:

Do not eat, drink or smoke when using this product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C

liquid

Appearance

yellow orange brown

Odor

ammoniacal

Odor threshold

No information available

Property

Values

Note

pH value

9.0 - 12.0

Melting/freezing point

No information available

Boiling point/boiling range

No information available

Flash point

32.8 °C / 91 °F

Closed cup

Evaporation rate

No information available

Flammability (solid, gas)

No information available

Flammability Limits in Air

| | |
|--|---|
| Upper flammability limit | No information available |
| Lower Flammability Limit | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Relative density | No information available |
| Water solubility | No information available |
| Solubility in other solvents | No information available |
| Partition coefficient: n-octanol/water | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity of Product | No information available |
| VOC Content (%) | Products comply with US state and federal regulations for VOC content in consumer products. |

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|---|
| Reactivity | None under normal use conditions. |
| Stability | Stable under normal conditions. |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Hazardous Reactions | None under normal processing. |
| Conditions to Avoid | Keep away from open flames, hot surfaces and sources of ignition. |
| Materials to avoid | None in particular. |
| Hazardous Decomposition Products | None under normal use. |

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

| | |
|--------------|---|
| Inhalation | No known effect. |
| Skin contact | May cause burns. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Symptoms may be delayed. |
| Ingestion | Harmful if swallowed. |
| Eye contact | Avoid contact with eyes. |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|-----------------------------------|--|
| Acute toxicity | May be harmful if swallowed. |
| Skin corrosion/irritation | Causes burns. |
| Serious eye damage/eye irritation | Risk of serious damage to eyes. |
| Skin sensitization | May cause sensitization by skin contact. |
| Respiratory sensitization | No known effect. |
| Germ cell mutagenicity | No known effect. |
| Neurological Effects | No known effect. |
| Reproductive toxicity | No known effect. |
| Developmental toxicity | No known effect. |
| Teratogenicity | No known effect. |
| STOT - single exposure | No known effect. |
| STOT - repeated exposure | No known effect. |
| Target Organ Effects | No known effect. |
| Aspiration hazard | No known effect. |
| Carcinogenicity | No known effect. |

Component Information

| Chemical Name | CAS-No | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|--------|-----------|-------------|-----------------|
|---------------|--------|-----------|-------------|-----------------|

| | | | | |
|---|-----------|---|---|---|
| Propylene glycol | 57-55-6 | 22000 mg/kg (rat) | 2000 mg/kg (rabbit) | > 317.042 mg/L (Guideline not indicated; rabbit; 2 h) |
| Isopropanol | 67-63-0 | 5840 mg/kg bw (Similar to OECD 401; standard acute method; rat) | 13120 mg/kg bw (Similar to OECD 402; standard acute method; rabbit) | > 24.578732 mg/L air (Similar to OECD 403; standard acute method; rat; 6 h) |
| 2-Aminoethanol | 141-43-5 | 1089 mg/kg bw (Similar to OECD 401; standard acute method; rat) | 1000 mg/kg (rabbit) | - |
| Ethoxydiglycol | 111-90-0 | - | - | >0.025 mg/L (rat) |
| Ammonia solution | 1336-21-6 | 350 mg/kg (Rat) | - | - |
| Phenol, 5-amino-2-methyl- | 2835-95-2 | 3600 mg/kg bw (rat) | - | - |
| 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl- | 89-25-8 | 1915 mg/kg (rat) | - | - |
| p-Phenylene diamine | 106-50-3 | - | > 7940 mg/kg bw (Guideline not indicated; rabbit) | - |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous to the Aquatic Environment.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes (non-household setting) 331

Disposal recommendations Products covered by this MSDS, in their original form, when disposed from a commercial facility as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations(40 CFR 261). Disposal should be in accordance with Local, State and Federal regulations.

14. TRANSPORT INFORMATION

DOT

| | |
|---------------------------------|--|
| UN no | UN1993 |
| UN Proper shipping name | Flammable liquid, n.o.s |
| Description | UN1993, Flammable liquid, n.o.s (Isopropanol, Limonene), 3, III , Ltd. Qty. |
| Hazard Class | 3 |
| Packing Group | III |
| Marine pollutant | This product contains a chemical which is listed as a marine pollutant according to DOT. |
| Emergency Response Guide Number | 128 |

IMDG

| | |
|----------------------------|--|
| UN Number | UN1993 |
| UN Proper shipping name | Flammable liquid, n.o.s. |
| Description | UN1993, Flammable liquid, n.o.s. (Isopropanol, Limonene), 3, III , Ltd. Qty. |
| Transport hazard class(es) | 3 |
| Packing Group | III |
| Environmental Hazards | Environmentally Hazardous Substance/Marine Pollutant |
| EmS-No | F-E, S-E |

IATA

| | |
|-------------------------|--|
| UN no | UN1993 |
| UN Proper shipping name | Flammable liquid, n.o.s. |
| Description | UN1993, Flammable liquid, n.o.s. (Isopropanol, Limonene), 3, III , Ltd. Qty. |
| Hazard Class | 3 |
| Packing Group | III |
| ERG Code | 3L |
| IATA comment | Can also be shipped as ID8000 Consumer Commodity |

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | SARA 313 - Threshold Values % |
|------------------|-----------|-------------------------------|
| Isopropanol | 67-63-0 | 1.0 |
| Ethoxydiglycol | 111-90-0 | 1.0 |
| Ammonia solution | 1336-21-6 | 1.0 |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | CAS-No | Hazardous Substances RQs | Extremely Hazardous Substances RQs | CERCLA/SARA 302 TPQ |
|---------------------|-----------|--------------------------|------------------------------------|---------------------|
| Ammonia solution | 1336-21-6 | 1000 lb | - | |
| Resorcinol | 108-46-3 | 5000 lb | - | |
| p-Phenylene diamine | 106-50-3 | 5000 lb | - | |
| Edetic acid | 60-00-4 | 5000 lb | - | |

Food and Drug Administration (FDA)

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

| Chemical Name | CAS-No | CAA (Clean Air Act) - 1990 Hazardous Air Pollutants |
|---------------------|----------|---|
| Ethoxydiglycol | 111-90-0 | X |
| p-Phenylene diamine | 106-50-3 | X |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CAS-No | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|--------|-----------------------------|------------------------|---------------------------|----------------------------|
|---------------|--------|-----------------------------|------------------------|---------------------------|----------------------------|

| | | | | | |
|------------------|-----------|---------|---|---|---|
| Ammonia solution | 1336-21-6 | 1000 lb | - | - | X |
| Resorcinol | 108-46-3 | 5000 lb | - | - | X |
| Edetic acid | 60-00-4 | 5000 lb | - | - | X |

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Regulations (RTK)

| Chemical Name | CAS-No | New Jersey |
|------------------|-----------|------------|
| Propylene glycol | 57-55-6 | X |
| Isopropanol | 67-63-0 | X |
| 2-Aminoethanol | 141-43-5 | X |
| Ethoxydiglycol | 111-90-0 | X |
| Ammonia solution | 1336-21-6 | X |
| Hexylene Glycol | 107-41-5 | X |

| Chemical Name | CAS-No | Massachusetts |
|------------------|-----------|---------------|
| Isopropanol | 67-63-0 | X |
| 2-Aminoethanol | 141-43-5 | X |
| Ammonia solution | 1336-21-6 | X |
| Hexylene Glycol | 107-41-5 | X |

| Chemical Name | CAS-No | Pennsylvania |
|---------------------|------------|--------------|
| Propylene glycol | 57-55-6 | X |
| Isopropanol | 67-63-0 | X |
| 2-Aminoethanol | 141-43-5 | X |
| Ethoxydiglycol | 111-90-0 | X |
| Ammonia solution | 1336-21-6 | X |
| Hexylene Glycol | 107-41-5 | X |
| Resorcinol | 108-46-3 | X |
| p-Phenylene diamine | 106-50-3 | X |
| Rosin | 73138-82-6 | X |
| Dipropylene glycol | 25265-71-8 | X |
| Benzaldehyde | 100-52-7 | X |
| Edetic acid | 60-00-4 | X |

| Chemical Name | CAS-No | Rhode Island |
|------------------|-----------|--------------|
| Ammonia solution | 1336-21-6 | X |

International Inventories

United States

Product is a personal care product and regulated under FDA.

Canada

This product is in compliance with CEPA for import by P&G.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

Perfumes contained with the products comply with appropriate IFRA guidance.

16. OTHER INFORMATION

Issuing Date: 06-Mar-2015
Revision Date: 06-Mar-2015
Reason for revision Initial Release.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS