

SAFETY DATA SHEET



Issuing Date: 09-Mar-2015

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Version 1

1. IDENTIFICATION

Product Name	Clairol Professional Soy 4Plex Liquicolor Permanente 4A/46D Light Cool Brown
Product ID:	99314356_PROF_NG
Product Type:	Finished Product - Professional Use Only
Recommended Use	Personal Beauty Care Product
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
p-Phenylene diamine	-	No	106-50-3	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
1,3-Benzenediol, 2-methyl-	-	No	608-25-3	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

clear yellow amber orange

Odor

characteristic

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
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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)	-	-
p-Phenylene diamine	106-50-3	-	> 7940 mg/kg bw (Guideline not indicated; rabbit)	-
3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl-	89-25-8	1915 mg/kg (rat)	-	-
1,3-Benzenediol, 2-methyl-	608-25-3	200 - 219 mg/kg (rat)	-	-

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	-	
p-Phenylene diamine	106-50-3	5000 lb	-	
Resorcinol	108-46-3	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
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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
p-Phenylene diamine	106-50-3	X
Resorcinol	108-46-3	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: 09-Mar-2015
Revision Date: 09-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