

# SAFETY DATA SHEET



Issuing Date: 06-Mar-2015

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Version 1

## 1. IDENTIFICATION

**Product Name** Clairol Professional Soy 4Plex liquicolor cool black

**Product ID:** 98864859\_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
<b>Signal Word</b>	DANGER
<b>Hazard Statements</b>	Harmful if swallowed Causes severe skin burns and eye damage May cause an allergic skin reaction  FLAMMABLE LIQUID AND VAPOR

Hazard pictograms



<b>Precautionary Statements - Prevention</b>	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
<b>Precautionary Statements - Response</b>	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
<b>Precautionary Statements - Storage</b>	None
<b>Precautionary Statements - Disposal</b>	None
<b>Hazards not otherwise classified (HNOC)</b>	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
Hexylene Glycol	-	No	107-41-5	1 - 5
p-Phenylene diamine	-	No	106-50-3	1 - 5
Ammonia solution	-	No	1336-21-6	1 - 5
3-Aminophenol	-	No	591-27-5	1 - 5
N,N-Bis(2-Hydroxyethyl)-p-Phenylene diamine Sulfate	-	No	54381-16-7	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Ingestion</b>	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

<b>Flammable properties</b>	Flammable liquid and vapor
<b>Suitable extinguishing media</b>	Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Special hazard</b>	Fumes may catch fire.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective gloves/clothing and eye/face protection. Do not get in eyes, on skin, or on clothing.
<b>Advice for emergency responders</b>	Use personal protective equipment as required.
<b>Environmental precautions</b>	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**

<b>Methods for containment</b>	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.
<b>Methods for cleaning up</b>	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**

<b>Advice on safe handling</b>	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.
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**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 <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	Mexico: TWA 400 ppm Mexico: TWA 980 mg/m <sup>3</sup> Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m <sup>3</sup>
2-Aminoethanol	141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	Mexico: TWA 3 ppm Mexico: TWA 8 mg/m <sup>3</sup> Mexico: STEL 6 ppm Mexico: STEL 15 mg/m <sup>3</sup>
Hexylene Glycol	107-41-5	Ceiling: 25 ppm	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	Mexico: Ceiling 25 ppm Mexico: Ceiling 125 mg/m <sup>3</sup>
p-Phenylene diamine	106-50-3	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> (vacated) TWA: 0.1 mg/m <sup>3</sup> (vacated) S* S*	Mexico: TWA 0.1 mg/m <sup>3</sup>

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

<b>Viscosity of Product</b>	No information available
<b>VOC Content (%)</b>	Products comply with US state and federal regulations for VOC content in consumer products.

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

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

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

<b>Acute toxicity</b>	May be harmful if swallowed.
<b>Skin corrosion/irritation</b>	Causes burns.
<b>Serious eye damage/eye irritation</b>	Risk of serious damage to eyes.
<b>Skin sensitization</b>	May cause sensitization by skin contact.
<b>Respiratory sensitization</b>	No known effect.
<b>Germ cell mutagenicity</b>	No known effect.
<b>Neurological Effects</b>	No known effect.
<b>Reproductive toxicity</b>	No known effect.
<b>Developmental toxicity</b>	No known effect.
<b>Teratogenicity</b>	No known effect.
<b>STOT - single exposure</b>	No known effect.
<b>STOT - repeated exposure</b>	No known effect.
<b>Target Organ Effects</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.
<b>Carcinogenicity</b>	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)
p-Phenylene diamine	106-50-3	-	> 7940 mg/kg bw	-

			(Guideline not indicated; rabbit)	
Ammonia solution	1336-21-6	350 mg/kg (Rat)	-	-
3-Aminophenol	591-27-5	693 mg/kg bw (OECD 401; fixed dose procedure; 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

<b>UN Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Isopropanol, Limonene), 3, III , Ltd. Qty.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>ERG Code</b>	3L
<b>IATA comment</b>	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
p-Phenylene diamine	106-50-3	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
p-Phenylene diamine	106-50-3	5000 lb	-	
Ammonia solution	1336-21-6	1000 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
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
Hexylene Glycol	107-41-5	X
p-Phenylene diamine	106-50-3	X
Ammonia solution	1336-21-6	X
3-Aminophenol	591-27-5	X

Chemical Name	CAS-No	Massachusetts
Isopropanol	67-63-0	X
2-Aminoethanol	141-43-5	X
Hexylene Glycol	107-41-5	X
p-Phenylene diamine	106-50-3	X
Ammonia solution	1336-21-6	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
Hexylene Glycol	107-41-5	X
p-Phenylene diamine	106-50-3	X
Ammonia solution	1336-21-6	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
p-Phenylene diamine	106-50-3	X
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**