

**MATERIAL SAFETY DATA SHEET**

**Finished Product**

**SECTION 1 - CHEMICAL SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION**

**Finished Product Name:** Clairol Professional SOY4PLEX Liquicolor Permanante Hair Color (12-10)

Permanent Liquid Color for Hair Shades:

4NN	Dark Ultra Rich Neutral Brown	99732089
5NN	Medium Ultra Rich Neutral Brown	99732090
6NN	Light Ultra Rich Neutral Brown	99732091
7NN	Dark Ultra Rich Neutral Blonde	99732093
8NN	Medium Ultra Rich Neutral Blonde	99732095
9NN	Light Ultra Rich Neutral Blonde	99732087

**Company Identification:**

Procter & Gamble  
Cincinnati, Ohio 45202 and Toronto, ON MSW 1C5  
For information in US & Canada: 1-800-221-4900  
For information in Puerto Rico: 1-800-981-9886

**In case of medical emergencies, please contact your local poison control center.**

**Transportation emergency (24 hour), contact:**

CHEMTREC - Phone # 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (for calls originating elsewhere).

**Date:** December 2010

**SECTION 2 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the supplier upon request.

**POTENTIAL HEALTH EFFECTS:**

**Eye:** Contact may cause mild to moderate transient irritation. Redness and/or stinging may occur.

**Skin:** May cause irritation or sensitization in sensitive individuals. Depending on the nature of any reaction experienced, a similar reaction may occur on subsequent uses of hair color products.

**Inhalation:** May cause mild, transient respiratory irritation. Avoid prolonged contact to

concentrated vapors.

**Ingestion:** Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

### SECTION 3 - COMPOSITION AND INGREDIENTS

The complete ingredient list for the finished product(s) is as follows:

**Shade 4NN:** WATER, TALL OIL ACID, OLETH-2, PROPYLENE GLYCOL, ISOPROPYL ALCOHOL, C12-15 PARETH-3, ETHANOLAMINE, ETHOXYDIGLYCOL, SOYTRIMONIUM CHLORIDE, AMMONIUM HYDROXIDE, HEXYLENE GLYCOL, p-PHENYLENEDIAMINE, RESORCINOL, SODIUM LAURYL SULFATE, FRAGRANCE, ERYTHORBIC ACID, p-AMINOPHENOL, m-AMINOPHENOL, 1-NAPHTHOL, PHENYL METHYL PYRAZOLONE, SODIUM SULFITE, N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE, EDTA.

**Shade 5NN:** WATER, TALL OIL ACID, OLETH-2, PROPYLENE GLYCOL, ISOPROPYL ALCOHOL, C12-15 PARETH-3, ETHANOLAMINE, AMMONIUM HYDROXIDE, ETHOXYDIGLYCOL, SOYTRIMONIUM CHLORIDE, HEXYLENE GLYCOL, SODIUM LAURYL SULFATE, FRAGRANCE, RESORCINOL, p-PHENYLENEDIAMINE, ERYTHORBIC ACID, PHENYL METHYL PYRAZOLONE, p-AMINOPHENOL, m-AMINOPHENOL, 1-NAPHTHOL, SODIUM SULFITE, N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE, EDTA, 2-METHYLRESORCINOL, 4-AMINO-2-HYDROXYTOLUENE.

**Shade 6NN:** WATER, TALL OIL ACID, OLETH-2, PROPYLENE GLYCOL, ISOPROPYL ALCOHOL, C12-15 PARETH-3, ETHANOLAMINE, ETHOXYDIGLYCOL, SOYTRIMONIUM CHLORIDE, AMMONIUM HYDROXIDE, HEXYLENE GLYCOL, SODIUM LAURYL SULFATE, FRAGRANCE, p-PHENYLENEDIAMINE, ERYTHORBIC ACID, p-AMINOPHENOL, RESORCINOL, 1-NAPHTHOL, PHENYL METHYL PYRAZOLONE, SODIUM SULFITE, m-AMINOPHENOL, EDTA, N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE.

**Shade 7NN:** WATER, TALL OIL ACID, OLETH-2, PROPYLENE GLYCOL, ISOPROPYL ALCOHOL, C12-15 PARETH-3, ETHANOLAMINE, ETHOXYDIGLYCOL, SOYTRIMONIUM CHLORIDE, AMMONIUM HYDROXIDE, HEXYLENE GLYCOL, SODIUM LAURYL SULFATE, FRAGRANCE, p-AMINOPHENOL, ERYTHORBIC ACID, p-PHENYLENEDIAMINE, RESORCINOL, PHENYL METHYL PYRAZOLONE, m-AMINOPHENOL, SODIUM SULFITE, 1-NAPHTHOL, EDTA, N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE.

**Shade 8NN:** WATER, TALL OIL ACID, OLETH-2, PROPYLENE GLYCOL, ISOPROPYL ALCOHOL, C12-15 PARETH-3, ETHANOLAMINE, ETHOXYDIGLYCOL, SOYTRIMONIUM CHLORIDE, AMMONIUM HYDROXIDE, HEXYLENE GLYCOL, SODIUM LAURYL SULFATE, FRAGRANCE, ERYTHORBIC ACID, p-AMINOPHENOL,

RESORCINOL, p-PHENYLENEDIAMINE, PHENYL METHYL PYRAZOLONE, SODIUM SULFITE, m-AMINOPHENOL, EDTA, 1-NAPHTHOL, N,N-BIS(2-HYDROXYETHYL)-p-PHENYLENEDIAMINE SULFATE.

**Shade 9NN:** WATER, TALL OIL ACID, OLETH-2, PROPYLENE GLYCOL, ISOPROPYL ALCOHOL, C12-15 PARETH-3, ETHANOLAMINE, AMMONIUM HYDROXIDE, ETHOXYDIGLYCOL, SOYTRIMONIUM CHLORIDE, HEXYLENE GLYCOL, SODIUM LAURYL SULFATE, FRAGRANCE, ERYTHORBIC ACID, P-AMINOPHENOL, RESORCINOL, SODIUM SULFITE, PHENYL METHYL PYRAZOLONE, P-PHENYLENEDIAMINE, EDTA, M-AMINOPHENOL, 1-NAPHTHOL, N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE.

Hazardous ingredients as defined by OSHA, 29 CFR 1910.1200 and/or WHMIS under the HPA:

Chemical Name	Common Name	CAS No.	Composition Range	LD50/LC50
2-Propanol	Isopropyl Alcohol	67-63-0	1-10%	LD <sub>50</sub> (oral, rat) = 5045 mg/kg LC <sub>Lo</sub> (rat) = 16,000 ppm/4 h

#### SECTION 4 - FIRST AID MEASURES

**Eye:** Following accidental eye exposure, thorough rinsing of the affected area for 15-20 minutes with clean, cold water is recommended. If discomfort or irritation persists, contact a physician. If the eyes or face becomes swollen during or following use, consult a physician or emergency room immediately.

**Skin Problem:** Thoroughly rinse with water. Discontinue use of product. If discomfort persists and/or the skin reaction worsens, contact a physician immediately. In cases where discomfort persists and/or medical attention is sought, do not use hair color products again until the specific nature of the skin reaction and the causative agent has been identified by a dermatologist, and appropriate medical advice provided.

**Inhalation:** If respiratory irritation occurs, remove individual to fresh air.

**Ingestion:** Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** >31.6 °C (>89 °F)

**Extinguishing Media:** Use chemical foam, dry chemical, carbon dioxide or water.

**Explosion Hazard:** Flammable Liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.

**Fire Fighting Instructions:** Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Procedures for Spill/Leak Clean-up:**

**For Household Settings:** Absorb spills with inert material. Absorb liquid and scrub the area with detergent. Dilute with water. Ventilate area and eliminate all ignition sources.

**For Non-Household Settings:** Ventilate area and eliminate all ignition sources. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc.) to prevent skin contact.

### SECTION 7 - HANDLING AND STORAGE

**Precautions for Safe Handling:**

**For Household Settings:** Avoid contact with eyes, skin, and clothing. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children.

**For Non-Household Settings:** Avoid heat, sparks, flame, or smoking during use. Avoid extreme heat and ignition sources. Avoid spraying toward open flame.

**Conditions for Safe Storage:**

**For Household Settings:** Avoid heat, sparks, flame, or smoking. Avoid extreme heat and ignition sources. Store away from oxidizers.

**For Non-Household Settings:** Flammable Liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.

**Other Recommendations:** None.

### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

**For Household Settings:** This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

**For Non-Household Settings:** Use in a well ventilated area. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing. This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none"> <li>• <b>Color, Odor and Appearance:</b> Light yellow to amber clear liquid, occasionally can appear orange to reddish, with characteristic odor.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Melting Point:</b> Not applicable</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Physical State:</b> Viscous liquid</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Boiling Point:</b> Not available</li> </ul>
<ul style="list-style-type: none"> <li>• <b>pH:</b> 9.5-10.8</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Solubility in Water:</b> Slightly insoluble</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Flashpoint:</b> &gt;31.6 °C (&gt;89 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>% VOC:</b> Complies with Federal and State regulations for VOC content.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Vapor Density:</b> Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Specific Gravity:</b> 0.99-1.01</li> </ul>

### SECTION 10 - STABILITY AND REACTIVITY

**Conditions to Avoid:** Avoid extreme heat and ignition sources. Store away from oxidizers.

**Other Recommendations:** None.

### SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the supplier upon request.

This product contains ingredients which may cause skin irritation on certain individuals and a preliminary test according to accompanying directions should first be made. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

**Chronic Effects:** Finished product is not expected to have chronic health effects.  
**Target Organs:** No adverse health effects on target organs expected for finished product.  
**Carcinogenicity:** Finished product is not expected to be carcinogenic.  
**NTP:** No                      **IARC:** No                      **OSHA:** No

### SECTION 12 - ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with Federal, State/Provincial and Local regulations.

**For Household Settings:** The following instructions are for consumer usage only: Do not discharge product into natural waters without pre-treatment or adequate dilution.

**For Non-Household Settings:** Products covered by this MSDS, in their original form, when disposed 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.

**California Waste Code:** 331

**SECTION 14 - TRANSPORT INFORMATION**

Finished packaged product transported by ground (DOT): Consumer Commodity, ORM-D  
 Finished packaged product transported by vessel (IMDG): UN 1993, Flammable Liquid, N.O.S. (contains Isopropyl Alcohol), Class 3, PG III, 31C (c.c.), LTD QTY  
 Finished packaged product transported by air (IATA): Consumer Commodity, ID 8000, Class 9

**SECTION 15 - ADDITIONAL REGULATORY INFORMATION**

EU DPD (Dangerous Products Directive) Classification (DPD 88/379/EEC).

Regulated as a Cosmetic and/or Drug by the FDA (U.S.), HPB (Canada), Cosmetics Directive (EU), MHW (Japan) and China (MOH).

While this finished product(s) is not considered hazardous as defined by OSHA in 29 CFR 1900.1200(d), this MSDS contains valuable information critical to the safe handling and proper use of the product.

**US Federal**

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).

**CERCLA reportable quantity (RQ):**

Ingredient	CAS #	Level	RQ
RCRA Hazardous Waste No. D001 / Unlisted Hazardous Wastes Characteristic Of Ignitability (Isopropyl Alcohol)	67-63-0	1-10%	100 lb
Ammonium Hydroxide	1336-21-6	1-10%	1000 lb
Glycol Ethers (Ethoxydiglycol)	111-90-0	1-10%	None
p-Phenylenediamine	106-50-3	0-5%	5000 lb

1,3-Benzenediol (Resorcinol)	108-46-3	0-5%	5000 lb
Ethylenediamine Tetraacetic Acid (EDTA)	60-00-4	<0.1%	5000 lb

**SARA 313/302/304/311/312 chemicals:**

Ingredient	CAS #	Level	313	302	304	311	312
Isopropyl Alcohol	67-63-0	1-10%	Yes	No	No	No	No
Ammonium Hydroxide	1336-21-6	1-10%	Yes	No	No	No	No
Ethoxydiglycol	111-90-0	1-10%	Yes	No	No	No	No
p-Phenylenediamine	106-50-3	0-5%	Yes	No	No	No	No

**Canada**

**CEPA:**

All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Product Regulations (CPR) and this MSDS contains all information required by the CPR.

**US States**

**CA Prop 65:**

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

**State Right-to-Know:**

The following ingredients are present in the finished product and are listed on the following state right-to-know lists:

Ingredient	CAS#	Level	State				
			IL	MA	NJ	PA	RI
Isopropyl Alcohol	67-63-0	1-10%	X	X	X	X	X
Ammonium Hydroxide	1336-21-6	1-10%	X	X	X	X	
Ethanolamine	141-43-5	1-10%	X	X	X	X	X
Ethoxydiglycol	111-90-0	1-10%	X		X	X	
Propylene Glycol	57-55-6	1-5%				X	X
Hexylene Glycol	107-41-5	0-5%		X	X	X	X
m-Aminophenol	591-27-5	0-5%			X		
p-Aminophenol	123-30-8	0-5%			X		
p-Phenylenediamine	106-50-3	0-5%	X	X	X	X	X
Resorcinol	108-46-3	0-5%	X	X	X	X	X
Ethylenediamine Tetraacetic Acid (EDTA)	60-00-4	<0.1%	X	X	X	X	

**Other**

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

**SECTION 16 - OTHER INFORMATION**

**DISCLAIMER:** This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the

Company's knowledge. It is not meant to be an all-inclusive document on worldwide 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. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.