

MATERIAL SAFETY DATA SHEET



Issuing Date: 27-Nov-2013

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Version 1

1. Product and Company Information

Product ID:	96639392_NA
Product name	Clairol Professional Flare Permanent Cream (CRÈME PERMANENTE) Lightest Ash Brown
Product Type	Finished Product - Professional Use Only
Recommended Use	Personal Beauty Care Product
Synonyms	Clairol Professional Flare Permanent Cream (CRÈME PERMANENTE) Lightest Golden Brown-96644293_NA Clairol Professional Flare Permanent Cream (CRÈME PERMANENTE) Medium Golden Brown-96644307_NA Clairol Professional Flare Permanent Cream (CRÈME PERMANENTE) Light Ash Brown-96644369_NA
Manufacturer	The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati OH 45202
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: 01-800-681-9531

2. Hazards Identification

EMERGENCY OVERVIEW

Risk of serious damage to eyes
May cause sensitization by skin contact
Irritating to respiratory system and skin

OSHA Regulatory Status	Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard. When used in a professional setting (at a much higher frequency and duration than a typical consumer) this material would be considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
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WHMIS	Not subject to WHMIS classification.
Principle Routes of Exposure	Eye Contact. Skin Contact. Inhalation.
General Hazards	This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use

3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %
Poly(oxy-1,2-ethanediyl), alpha-(9Z)-9-octadecen-1-yl-omega-hydroxy-	9004-98-2	5 - 10
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 5
Isopropanol	67-63-0	1 - 5
Quaternary ammonium compounds, trimethylsoya alkyl, chlorides	61790-41-8	1 - 5
Ammonia solution	1336-21-6	1 - 5
2-Aminoethanol	141-43-5	1 - 5
2-Methyl-p-phenylenediamine hemisulphate	615-50-9	1 - 5
N,N-Bis(2-Hydroxyethyl)-p-Phenylenediamine Sulfate	54381-16-7	0.1 - 1

4. First aid measures

General advice	When symptoms persist or in all cases of doubt seek medical advice.
Eye Contact	Hair colorants can cause severe allergic reactions. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Consult a physician. Get medical attention immediately if symptoms occur.
Skin Contact	Hair colorants can cause severe allergic reactions. If skin problems occur, discontinue use. Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.
Inhalation	Move to fresh air. Get medical attention if irritation persists.
Protection of First-aiders	Use personal protective equipment.
Most important symptoms/effects, acute and delayed	None known.
Notes to Physician	Treat symptomatically.

5. Fire-fighting measures

Flash Point	> 95 °C / > 203 °F
Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.
Extinguishing media which shall not be used for safety reasons	No information available.

Special Hazard None known based on information supplied.

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.

6. Accidental release measures

Personal precautions Avoid contact with skin, eyes and inhalation of vapors.

Advice for emergency responders Use personal protective equipment.

Environmental Precautions **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution. **Non-household:** Should not be released into the environment.

Methods for containment **Non-household:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for cleaning up **Non-household:** 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

Advice on safe handling Keep out of the reach of children. Observe label precautions.

Technical measures/Storage conditions Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure guidelines

Chemical name		CAS-No	ACGIH TLV		OSHA PEL	Mexico OEL
Isopropanol		67-63-0	STEL: 400 ppm TWA: 200 ppm		TWA: 400 ppm TWA: 980 mg/m³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m³	Mexico: TWA 400 ppm Mexico: TWA 980 mg/m³ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m³
2-Aminoethanol		141-43-5	STEL: 6 ppm TWA: 3 ppm		TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³	Mexico: TWA 3 ppm Mexico: TWA 8 mg/m³ Mexico: STEL 6 ppm Mexico: STEL 15 mg/m³
Chemical name	CAS-No	Alberta	Quebec	Ontario TWA/EV	British Columbia	
Isopropanol	67-63-0		TWA: 400 ppm TWA: 985 mg/m³ STEL: 500 ppm STEL: 1230 mg/m³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	
2-Aminoethanol	141-43-5	TWA: 3 ppm TWA: 7.5 mg/m³ STEL: 6 ppm STEL: 15 mg/m³	TWA: 3 ppm TWA: 7.5 mg/m³ STEL: 6 ppm STEL: 15 mg/m³	TWA: 3 ppm STEL: 6 ppm	TWA: 3 ppm STEL: 6 ppm	

Engineering Measures Not applicable.

Personal protective equipment

Eye protection Safety glasses with side-shields. If splashes are likely to occur, wear:. Tightly fitting safety goggles.

Hand protection	Rubber/latex/neoprene or other suitable chemical resistant gloves.
Skin and Body Protection	Wear protective gloves/clothing.
Respiratory protection	Use only with adequate ventilation.
Thermal hazards	Not applicable.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.
Environmental exposure controls	See section 6 for more information.

9. Physical and Chemical Properties

Physical State @20°C	Liquid
Appearance	yellow. red. gel.
Odor	characteristic

<u>Property</u>	<u>Values</u>	<u>NOTE</u>
pH VALUE	9.0 - 11.0	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	> 95 °C / > 203 °F	
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	
Bulk density	No information available	

Chemical name	Partition Coefficient (n-octanol/water)
Isopropanol	0.05
Ammonia solution	13.8
2-Aminoethanol	-2.3 (OECD 107, shake-flask method, pH 6.8 7.3 and 25 C)
2-Methyl-p-phenylenediamine hemisulphate	0.74

VOC content (%)	Products comply with US state and federal regulations for VOC content in consumer products.
Oxidizing properties	No information available

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	None under normal processing.
Materials to avoid	None in particular.
Hazardous decomposition products	None under normal use.

11. Toxicological Information

Product Information

<u>Acute Toxicity</u>	Risk of serious damage to eyes. Irritating to respiratory system and skin.
Principle Routes of Exposure	Eye Contact. Skin Contact. Inhalation.
Inhalation	Irritating to respiratory system.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	No known effect based on information supplied.
Eye Contact	Risk of serious damage to eyes.

Chemical name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
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)
Ammonia solution	1336-21-6	350 mg/kg (Rat)	-	-
2-Aminoethanol	141-43-5	1089 mg/kg bw (OECD 401, rat)	1000 mg/kg (rabbit)	-
2-Methyl-p-phenylenediamine hemisulphate	615-50-9	102 mg/kg bw (Read across data on 2-methyl-1,4-benzenediamine; similar to OECD 401; standard acute method; rat)	1120 mg/kg (rabbit)	-

Chronic toxicity

Corrosivity	No known effect.
Sensitization	May cause sensitization of susceptible persons.
Neurological effects	No known effect.
Reproductive Toxicity	The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.
Germ Cell Mutagenicity	There are no known mutagenic chemicals in this product.
Developmental toxicity	No known effect.
Teratogenicity	No known effect.
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.

12. Ecological Information

Ecotoxicity

Acute Toxicity

Chemical name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Isopropanol	67-63-0	> 100 mg/L (Guideline not indicated; Leuciscus idus melanotus; static)	9640 mg/L (Similar to OECD 203 and U.S. Environmental Protection Agency Committee on Methods for Toxicity Tests with Aquatic Organisms (1975); Pimephales promelas; flow-through; freshwater)	Toxicity threshold: 1050 mg/L (similar to DIN 38412, part 8; Pseudomonas putida; static; freshwater; 16 h)	> 10000 mg/L (Similar to OECD 202; Daphnia magna; static; freshwater; mortality; 24 h)	3.2 % (Guideline not indicated; Drosophila melanogaster; 1 d)
Ammonia solution	1336-21-6	-	0.89 mg/L (Freshwater; no other test conditions indicated)	-	0.101 mg/L (Daphnia magna; no other test conditions indicated)	-
2-Aminoethanol	141-43-5	2.5 mg/L (OECD Guideline 201, Selenastrum capricornutum, freshwater)	349 mg/L (Guideline: Directive 92/69/EEC, C.1., semi-static, Cyprinus carpio)	EC10: > 1000 mg/L (OECD 209, activated sludge, domestic, static, 30 min)	65 mg/L (EU Method C.2, Daphnia magna, static)	-
2-Methyl-p-phenylenediamine hemisulphate	615-50-9	-	1.08 mg/L (OECD 203; Danio rerio; flow-through; freshwater; based on active ingredient)	EC50: 17.7 mg/L (OECD 209; activated sludge of a predominantly domestic sewage; static; freshwater; respiration rate; based on active ingredient)	-	-

Chronic toxicity

Chemical name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Isopropanol	67-63-0				140.9 mg/L (Daphnia magna; freshwater; 16 d)	
2-Aminoethanol	141-43-5		1.2 mg/L (OECD 210, Oryzias latipes)			
2-Methyl-p-phenylenediamine hemisulphate	615-50-9	0.306 mg/L (OECD 201 and EU Method C.3; Desmodemus subspicatus; static; freshwater; based on active ingredient; growth rate)			0.276 mg/L (OECD 211; Daphnia magna; semi-static; freshwater; based on active ingredient)	

Persistence and degradability

Chemical name	Ready Test Results	Persistence and degradability
Isopropanol	53 % (Similar to EU Method C.5 and EU Method C.6; aerobic; sewage, domestic (adaptation not specified); O2 consumption; 5 d)	
2-Aminoethanol	DOC removal: >90% (OECD 301 A)	O2 consumption: 83% (OECD 301 C)
2-Methyl-p-phenylenediamine hemisulphate	17 % (OECD 301 D; aerobic; activated sludge, non-adapted; O2 consumption)	93 % (OECD 303 A; aerobic; activated sludge, non-adapted; DOC removal)

Bioaccumulative potential No information available.

Mobility .

Chemical name	KOC Values
2-Aminoethanol	1.167 (Calculated value)
2-Methyl-p-phenylenediamine hemisulphate	17.3 (OECD 121; adsorption; soil/sewage sludge; HPLC estimation method; at pH: 6)

Other adverse effects No information available

13. Disposal Considerations

Waste from Residues / Unused Products **Household:** Do not discharge product into natural waters without pre-treatment or adequate dilution. **Non-household:** Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated packaging Dispose of in accordance with local regulations.

California Hazardous Waste Codes (non-household setting) 331

14. Transport Information

DOT Not regulated
Special Provisions (If shipped in NON BULK packaging by ground transport)

TDG
UN/ID no UN3082
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class 9
Packing group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Alcohols, C12-15, ethoxylated, Quaternary ammonium compounds, trimethylsoya alkyl, chlorides), 9, III, MARINE POLLUTANT, Ltd. Qty.

MEX
UN/ID no UN3082
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class 9
Packing group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Alcohols, C12-15, ethoxylated, Quaternary ammonium compounds, trimethylsoya alkyl, chlorides), 9, III, MARINE POLLUTANT, Ltd. Qty.

IATA
UN/ID no UN3082
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class 9
Packing group III
ERG Code 9L

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Alcohols, C12-15, ethoxylated, Quaternary ammonium compounds, trimethylsoya alkyl, chlorides), 9, III, Ltd. Qty.
IATA comment Can also be shipped as ID8000 Consumer Commodity

ICAO

UN/ID no UN3082
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class 9
Packing group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Alcohols, C12-15, ethoxylated, Quaternary ammonium compounds, trimethylsoya alkyl, chlorides), 9, III, Ltd. Qty.
ICAO Comment Can also be shipped as ID8000 Consumer Commodity

IMDG

UN/ID no UN3082
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class 9
Packing group III
EmS-No F-A, S-F
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Alcohols, C12-15, ethoxylated, Quaternary ammonium compounds, trimethylsoya alkyl, chlorides), 9, III, MARINE POLLUTANT, Ltd. Qty.

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	Weight %	SARA 313 - Threshold Values %
Isopropanol	67-63-0	3.5	1.0
Ammonia solution	1336-21-6	3.27119	1.0

SARA 311/312 Hazard Categories

Acute health hazard	yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

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	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ammonia solution	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Resorcinol	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

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 does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

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	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonia solution	1000 lb	-	-	X
Resorcinol	5000 lb	-	-	X

Chemical name	New Jersey
Propylene glycol	X
Isopropanol	X
Ammonia solution	X
2-Aminoethanol	X

Chemical name	Massachusetts
Isopropanol	X
Ammonia solution	X
2-Aminoethanol	X

Chemical name	Pennsylvania
9-Octadecenoic acid (9Z)-	X
Propylene glycol	X
Isopropanol	X
Ammonia solution	X
2-Aminoethanol	X
Resorcinol	X

Chemical name	Rhode Island
Ammonia solution	X

California Proposition 65

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

International Regulations

CANADA

WHMIS Hazard Class

Not subject to WHMIS classification

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. This product is regulated by the Food and Drug Administration of Health Canada and is therefore exempt from the requirements of CEPA.

International Inventories

TSCA

Product is a personal care product and regulated under FDA

CEPA

P&G Canadian Regulatory reviewed finished products to ensure CEPA Compliance

Perfumes contained with the products comply with appropriate IFRA guidance.

Legend

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

CEPA - Canadian Environmental Protection Act

16. Other information

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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 MSDS