

MATERIAL SAFETY DATA SHEET



Issuing Date: 27-Nov-2013

Revision Date: 27-Nov-2013

Version 1

1. Product and Company Information

| | |
|----------------------------|---|
| Product ID: | 96629471_NA |
| Product name | Clairol Professional Flare Permanent Cream (CRÈME PERMANENTE) Lightest Golden Blonde |
| Product Type | Finished Product - Professional Use Only |
| Recommended Use | Personal Beauty Care Product |
| Synonyms | No information available |
| 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
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). |
| 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 |
| Ammonia solution | 1336-21-6 | 3 - 7 |
| 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 |
| 2-Aminoethanol | 141-43-5 | 1 - 5 |

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

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| 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 TWAEV | 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. |

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|--|---|
| 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

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|-----------------------------|-------------------|
| 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) |
|----------------------|--|
| Ammonia solution | 13.8 |
| Isopropanol | 0.05 |
| 2-Aminoethanol | -2.3 (OECD 107, shake-flask method, pH 6.8 7.3 and 25 C) |

| | |
|-----------------------------|---|
| 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

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|---|--|
| 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

Acute Toxicity 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.
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 |
|------------------|-----------|---|---|---|
| Ammonia solution | 1336-21-6 | 350 mg/kg (Rat) | - | - |
| 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 (OECD 401, rat) | 1000 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 |
|------------------|-----------|---|--|--|---|---|
| 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) | - |
| 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) |
| 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) | - |

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) | | | |

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) |

Bioaccumulative potential No information available.

Mobility

| Chemical name | KOC Values |
|----------------|--------------------------|
| 2-Aminoethanol | 1.167 (Calculated value) |

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

Special Provisions

Not regulated
(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. (Ammonia, Alcohols, C12-15, ethoxylated), 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. (Ammonia, Alcohols, C12-15, ethoxylated), 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. (Ammonia, Alcohols, C12-15, ethoxylated), 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. (Ammonia, Alcohols, C12-15, ethoxylated), 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. (Ammonia, Alcohols, C12-15, ethoxylated), 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 % |
|------------------|-----------|----------|-------------------------------|
| Ammonia solution | 1336-21-6 | 5.15838 | 1.0 |
| Isopropanol | 67-63-0 | 3.5 | 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 454 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 |

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

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

| Chemical name | Pennsylvania |
|---------------------------|--------------|
| 9-Octadecenoic acid (9Z)- | X |

| | |
|------------------|---|
| Propylene glycol | X |
| Ammonia solution | X |
| Isopropanol | X |
| 2-Aminoethanol | 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

Issuing Date: 27-Nov-2013

Revision Date: 27-Nov-2013

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