Material Safety Data Sheet

Issuing Date: 27-Jun-2013 **Revision Date:** 27-Jun-2013 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product ID:	95713827
Product name	Clairol Professional Lock Finishing Spray
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

Extremely flammable

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	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 %
Ethanol	64-17-5	30 - 60
Butane	106-97-8	15 - 40
Isobutane	75-28-5	7 - 13
Isopropanol	67-63-0	1 - 5
Propane	74-98-6	1 - 5

4. FIRST AID MEASURES

General advice No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.

Eye Contact 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. If symptoms persist, call a physician.

Skin Contact If skin problems occur, discontinue 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.

Protection of First-aiders Use personal protective equipment. Remove all sources of ignition.

Most important symptoms/effects, acute and delayed None known.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties Extremely flammable aerosol.

Flash Point aerosol - not applicable

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 Extremely flammable
The release of the following substances is possible in a fire:
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)
Nitrous oxides
Containers may explode when heated
Hazardous decomposition products formed under fire conditions
In case aerosols burst, (extremely) flammable propellants will be released with possible risk of explosion
May form explosive mixtures with air

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 Ensure adequate ventilation. 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:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use non-sparking tools and equipment. 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). Do not puncture or incinerate cans.

7. HANDLING AND STORAGE

Advice on safe handling Keep out of the reach of children. Observe label precautions. Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors or mists.

Technical measures/Storage conditions Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.

Aerosol Classification Level 3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	P&G OEL	Mexico OEL
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m³		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m³
Butane	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³	TWA: 800 ppm TWA: 1900 mg/m³		Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m³
Isobutane	TWA: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m³		-
Isopropanol	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	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m³ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m³

Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³		-

Chemical Name	Alberta	Quebec	Ontario TWAEV	British Columbia
Ethanol		TWA: 1000 ppm TWA: 1880 mg/m³	STEL: 1000 ppm	STEL: 1000 ppm
Butane	TWA: 1000 ppm	TWA: 800 ppm TWA: 1900 mg/m³	TWA: 800 ppm TWA: 1000 ppm	TWA: 600 ppm TWA: 1000 ppm STEL: 750 ppm
Isobutane			TWA: 800 ppm TWA: 1000 ppm	TWA: 1000 ppm
Isopropanol		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
Propane		TWA: 1000 ppm TWA: 1800 mg/m³	TWA: 1000 ppm	TWA: 1000 ppm

Engineering Measures Not applicable.

Personal Protective Equipment

Eye Protection No special protective equipment required.

Hand Protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection Maintain adequate ventilation

Thermal hazards Not applicable.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors, mist or gas.

Environmental Exposure Controls See Section 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C Aerosol
Appearance clear.
Odor No information available

Property	Values	Note
pH VALUE	7 - 9	
melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	aerosol - not applicable	
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)
Ethanol	-0.32
Butane	2.89
Isobutane	2.88
Isopropanol	0.05
Propane	2.3

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 Keep away from open flames, hot surfaces and sources of ignition. Extremes of temperature and direct sunlight.

Materials to Avoid Strong oxidizing agents.

Hazardous Decomposition Products None under normal use.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute Toxicity .

Principle Routes of Exposure Inhalation.

Inhalation Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Skin Contact No known effect based on information supplied.

Ingestion No known effect based on information supplied.

Eye Contact No known effect based on information supplied.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
Butane	-	-	= 658 mg/L (Rat) 4 h
Isobutane	-	-	= 658 mg/L (Rat) 4 h
Isopropanol	5840 mg/kg bw (similar to OECD 401; rat)	-	> 9988.6 mg/L (similar to OECD 403; rat; whole body; 6 h)
Propane	-	-	= 658 mg/L (Rat) 4 h

Chronic toxicity

Corrosivity No known effect.

Sensitization No known effect.

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.

Mutagenic Effects 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	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Ethanol	-	LC50 96 h 12.0 - 16.0 mL/L Oncorhynchus mykiss static LC50 96 h > 100 mg/L Pimephales promelas static LC50 96 h 13400 - 15100 mg/L Pimephales promelas flow-through	-	LC50 48 h 9268 - 14221 mg/L Daphnia magna EC50 24 h = 10800 mg/L Daphnia magna EC50 48 h = 2 mg/L Daphnia magna Static	-
Isopropanol	> 100 mg/L (Leuciscus idus melanotus; static)	9640 mg/L (Guideline: 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)	> 100 mg/L (Daphnia magna; static test)	-

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Isopropanol				140.9 mg/L (Daphnia magna; freshwater; 16 d)	

Persistence and degradability .

Chemical Name	Ready Test Results	Other Degradability / Persistence Test Results
Isopropanol	BOD5/COD: > 0.5 (Guideline: similar to EU Method C.5 and similar to EU Method C.6; sewage, domestic (adaptation not specified); aerobic)	

Bioaccumulative potential .

Chemical Name	Bioconcentration factor (BCF)
Isobutane	1.97

Mobility No information available.

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
Other disposal recommendations	**Non-household:** 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. Aerosol cans, when disposed as waste, are regulated as D003 reactive hazardous waste in some States because of their potential to explode when heated. Check with your State environmental agency for guidance

14. TRANSPORT INFORMATION

DOT

UN/ID no	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1
Description	UN1950, Aerosols, flammable, 2.1, Ltd. Qty.
Emergency Response Guide Number	126

TDG

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1, Ltd. Qty.

MEX

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1, Ltd. Qty.

IATA

UN/ID no	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1
ERG Code	10L
Description	UN1950, Aerosols, flammable, 2.1, Ltd. Qty.
IATA comment	Can also be shipped as ID8000 Consumer Commodity

ICAO

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1, Ltd. Qty.
ICAO Comment	Can also be shipped as ID8000 Consumer Commodity

IMDG/IMO

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard Class	2
Subsidiary hazard class	See SP63
EmS No.	F-D, S-U
Description	UN1950, Aerosols, 2.1 (See SP63), (22°C c.c.), 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	2.49751	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	yes
Sudden Release of Pressure Hazard	yes
Reactive Hazard	No

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations

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

Chemical Name	New Jersey
Ethanol	X
Butane	X
Isobutane	X
Isopropanol	X
Propane	X

Chemical Name	Massachusetts
Ethanol	X
Butane	X

Isobutane	X
Isopropanol	X
Propane	X

Chemical Name	Pennsylvania
Ethanol	X
Butane	X
Isobutane	X
Isopropanol	X
Propane	X

Chemical Name	Rhode Island
Ethanol	X

International Regulations

Canada

WHMIS Hazard Class

Not subject to WHMIS classification

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
DSL Exempt
NDSL Exempt
Perfumes contained with the products comply with appropriate IFRA guidance.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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