



MATERIAL SAFETY DATA SHEET Finished Product.

SECTION 1 – CHEMICAL SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION

Finished Product Name: Koleston Perfect Lights

This product is sold as a two component kit: Lightening Powder and Lightening Developer.

- Lightening Powder (99579829)
- Lightening Developer (99718980)

- **Company Identification:**
Clairol, A Division of The Procter & Gamble Company,
Stamford, CT 06922

Contact: Consumer Relations at 1-800-252-4765

- **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:** November 2010 Updated: October 2011

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:

Lightening Powder:

Potassium Persulfate, Sodium Silicate, Ammonium Persulfate, Titanium Dioxide, Ultramarines, Carbomer, Sodium Stearate, Disodium EDTA.

Lightening Developer:

Water, Hydrogen Peroxide, Cetearyl Alcohol, Cetareth-25, Salicylic Acid, Disodium Phosphate, Phosphoric Acid, Simethicone, Etidronic Acid, Sorbitan Stearate, PEG-40 Stearate, Cellulose Gum.

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

Lightening Powder:

Chemical Name	Common Name	CAS No.	Composition Range	LD ₅₀ /LC ₅₀
Potassium Persulfate	Potassium Persulfate	7727-21-1	40-70%	LD ₅₀ > 10 g/kg (dermal/rabbit) LC ₅₀ > 42.9 mg/l (inhalation/rat)
Ammonium Persulfate	Ammonium Persulfate	7727-54-0	7-13%	LD ₅₀ > 2 g/kg (dermal/rabbit) LC ₅₀ > 2.95 mg/l (inhalation/rat)

Lightening Developer:

Chemical Name	Common Name	CAS No.	Composition Range	LD ₅₀ /LC ₅₀
Hydrogen Peroxide	Hydrogen Peroxide	7722-84-1	7-13%	LD ₅₀ (skin) = 4,060 mg/kg (rat) LC ₅₀ = 2 g/m ³ (4 hours, rat)

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:**

Lightening Powder: Not applicable.

Lightening Developer: Not applicable.

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

- **Explosion Hazard:** No applicable information has been found.

- **Fire Fighting Instructions:** Contact emergency personnel. Flammable material. Explosive mixtures may form with air. 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. Decomposition of hydrogen peroxide will release oxygen which will increase the explosive limit range and burning rate of flammable materials.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

For Household Settings: Absorb spills with inert material. Dilute with water. Absorb liquid and scrub the area with detergent.

For Non-Household Settings: Avoid exposure to, or contamination with, liquid organic materials or damp organic materials (e.g. wet paper towels, wood, clothing, etc.). If contaminated, spontaneous combustion may occur. Do not generate dust when transferring and handling bleach powders. Use safety glasses or safety goggles if splash or dusting 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.

For Non-Household Settings: Avoid contamination with combustible organic matter (e.g. oil, sawdust, damp paper towels, etc.) metal, powder, or reducing agents. Contamination may cause decomposition, leading to fire. Decomposition of oxidizing material releases oxygen which may intensify existing fires. Avoid heat, sparks, flame, or smoking during use. Avoid extreme heat and ignition sources.

- **Conditions for Safe Storage:**

For Household Settings:

Keep in cool place. Avoid contamination. Keep closed when not in use. Store in the original tightly capped containers away from sunlight, heat, sparks and flame. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Empty containers should be rinsed with water before discarding. Keep out of reach of children. Decomposition of hydrogen peroxide may occur with increase in pressure and possible container rupture. Avoid heat, sparks, flame, or smoking. Avoid extreme heat and ignition sources.

For Non-Household Settings:

Store in a well ventilate, cool area. Avoid contamination. Store in the original tightly capped containers away from sunlight, heat, sparks and flame. Decomposition of hydrogen peroxide may occur with increase in pressure and possible container rupture. Store in accordance with local requirements for Class 1 Oxidizers. Store in a well ventilated, cool area.

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 or dusting 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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none">• Color, Odor and Appearance: Lightening Powder: Blue powder. Lightening Developer: White, creamy liquid.	<ul style="list-style-type: none">• Melting Point: Lightening Powder: Not Applicable. Lightening Developer: Not Applicable.
<ul style="list-style-type: none">• Physical State: Lightening Powder: Solid powder. Lightening Developer: Liquid.	<ul style="list-style-type: none">• Boiling Point: Lightening Powder: Not Applicable. Lightening Developer: Not Available.
<ul style="list-style-type: none">• pH: Lightening Powder: 10.0-11.0 Lightening Developer: 2.0-3.0	<ul style="list-style-type: none">• Solubility in Water: Lightening Powder: Soluble. Lightening Developer: Slightly insoluble.
<ul style="list-style-type: none">• Flashpoint:	<ul style="list-style-type: none">• % VOC:

Lightening Powder: Not Applicable. Lightening Developer: Not Applicable.	Complies with Federal and State regulations for VOC content.
<ul style="list-style-type: none"> Vapor Density: Lightening Powder: Not Applicable. Lightening Developer: Not Applicable. 	<ul style="list-style-type: none"> Specific Gravity: Lightening Powder: 1.2 – 1.5 Lightening Activator: 0.97-1.05

SECTION 10 - STABILITY AND REACTIVITY

- Conditions to Avoid:** Store away from flammable liquids, flammable solids, aerosols and other incompatible materials. Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.
- 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 waste, D001, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

These products are two part kits. Each kit contains a powder and a developer.

Lightening Powder:

Finished packaged product transported by ground (DOT): UN 3215, Persulfates, Inorganic, N.O.S. (Potassium Persulfate, Ammonium Persulfate), Class 5.1, PG III, LTD QTY (may be shipped as a Consumer Commodity ORM-D through 12/31/13)

Finished packaged product transported by vessel (IMDG): UN 3215, Persulfates, Inorganic, N.O.S. (Potassium Persulfate, Ammonium Persulfate), Class 5.1, PG III, LTD QTY

Finished packaged product transported by air (IATA): UN 3215, Persulfates, Inorganic, N.O.S. (Potassium Persulfate, Ammonium Persulfate), Class 5.1, PG III, LTD QTY

Lightening Developer:

Finished packaged product transported by ground (DOT): UN2984, Hydrogen Peroxide, Aqueous Solution, Class 5.1, PG III, LTD QTY (may be shipped as a Consumer Commodity ORM-D through 12/31/13)

Finished packaged product transported by vessel (IMDG): UN2984, Hydrogen Peroxide, Aqueous Solution, Class 5.1, PG III, LTD QTY

Finished packaged product transported by air (IATA): UN2984, Hydrogen Peroxide, Aqueous Solution, Class 5.1, PG III, LTD QTY

SECTION 15 - ADDITIONAL REGULATORY INFORMATION

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

Regulated as a Cosmetic and/or Drug under FDA (US), HPB (Canada), Cosmetic Directive (EU), MHW (Japan) and MOH (China).

While the finished product(s) is not considered hazardous as defined in 29 CFR 1910.1200 (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
Phosphoric Acid	7664-38-2	<0.5%	5000 lbs.

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

Lightening powder:

Ingredient	CAS #	Level	313	302	304	311	312
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Ammonium Persulfate	7727-54-0	7-13%	Yes	No	No	No	No
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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:

Lightening powder:

Ingredient	CAS #	Level	State				
Potassium Persulfate	7727-21-1	40-70%		MA	NJ	PA	RI
Ammonium Persulfate	7727-54-0	7-13%			NJ		
Titanium Dioxide	13463-67-7	1-5%	IL	MA	NJ	PA	RI

Lightening activator:

Ingredient	CAS #	Level	State				
Hydrogen Peroxide	7722-84-1	7-13%	IL	MA	NJ	PA	RI
Cetearyl Alcohol	67762-27-0	1-5%			NJ		
Disodium Phosphate	7722-88-5	<0.5%		MA	NJ	PA	RI
Phosphoric Acid	7664-38-2	<0.5%	IL	MA	NJ	PA	RI

Other

None.

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.