L'ORÉAL USA

MATERIAL SAFETY DATA SHEET

MSDS # 99-030

MSDS DATE: March 17, 2008

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

L'Oreal USA Products, Inc.
111 Terminal Avenue
Clark, NJ 07066

Emergency Telephone Number
800-535-5053 (International: 352-323-3500)

For further information:
732-499-2741

Product Name: Oxidizing Hair Bleach Products

Recommendations on use: For lightening of hair color

CAUTION: Oxidizing solid which in itself is not necessarily combustible, but may generally cause or contribute to the combustion of other materials by yielding oxygen. Store at room temperature. Keep from heat and moisture. Do not use metal utensils with this product. For external use only. Use only as directed. Keep out of reach of children.

Refer to product insert or container for additional use warnings.

SECTION 2: HAZARDS IDENTIFICATION

Finely divided, free-flowing powder. May be white or colored and could have a possible ammonia odor or enhanced fragrance.

Decomposes in contact with moisture/excessive heat. May cause release of oxygen and oxides of sulfur which support combustion. Decomposition could form a high temperature melt. See section ten of this document (Stability and Reactivity).

May have irritating properties to eyes/respiratory system and skin. May have the potential to cause skin/respiratory sensitization.

OSHA reactive substance, oxidizer; **DOT** 5.1 Oxidizer; **WHMIS** Class C; Oxidizing material. See section fifteen of this document (Regulatory Information).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT
Potassium Persulfate	7727-21-1	<61
Sodium Persulfate	7775-27-1	<11

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with luke-warm water and get medical attention if irritation persists.

SKIN: Immediately flush with luke-warm water and get medical attention if irritation persists.

INGESTION: If swallowed, do not induce vomiting. Call a physician, hospital, emergency room or poison control center immediately. Get prompt medical attention.

INHALATION: Move to fresh air. If irritation symptoms persist, get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Acute health hazards may be delayed. Most common symptoms include irritating properties to eyes/respiratory system and skin.

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SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water and/or foam – typically a Class A or Class B extinguisher should be sufficient for the product. However, selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved.

SPECIAL FIRE FIGHTING PROCEDURES: Upon decomposition, persulfates yield oxygen and may thereby stimulate combustion of flammable and combustible materials. Extinguish fires with media appropriate for the burning material.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Caution: Product contains oxidizing materials. Residual product on towels, sponges or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage. Persulfate compounds may ignite and undergo decomposition in the presence of moisture and heat. Spray and flood decomposing material with large quantities of water.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen, chlorine, oxides of sulfur, sodium oxide and ammonia

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: For small spills, wipe up with damp paper towels or sponge. Wash area completely with water. Rinse paper towels, sponges or mops thoroughly prior to disposal or storage. For larger quantities, sweep up and place in UN specification drum(s) for disposal. During clean-up, do not contaminate powder with organic material. Keep drummed waste cool and dry pending disposal.

PERSONAL PROTECTIVE EQUIPMENT: Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Use only with adequate ventilation and avoid inhalation. Avoid contact with eyes and skin (other than areas of application). Do not inhale or ingest. Prepare and use in a well-ventilated area. Do not store with or near fuels, solvents or other organic materials. Avoid heat, moisture and reducing agents.

Refer to product insert or container for additional use warnings.

OTHER PRECAUTIONS: Do not allow stored material to come into contact with moisture (keep lids properly affixed on product stored in plastic tubs). Do not store metal utensils inside containers of product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized.

VENTILATION: Local exhaust ventilation is not typically required for product use. For handling large quantities of material, such as in the manufacturing of product **--** Local Exhaust: Explosion proof. Mechanical (general): Explosion proof.

RESPIRATORY PROTECTION: Respiratory protection is not required for product use. For manufacturing of product, respiratory protection may be considered. Ensure that the respirator meets current local occupational health and safety standards. Particulate filtering cartridges should be utilized with air-purifying respiratory protection.

EYE PROTECTION: None required for product use. For handling large quantities of material, safety glasses with side shields/goggles are recommended.

SKIN PROTECTION: Plastic or rubber gloves should be worn during product application and preparation. For handling large quantities of material, such as in product manufacturing, plastic or rubber gloves should also be considered for use

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Apron may be used for product handling. Tyvek clothing may also be suitable for handling large quantities of material.

WORK HYGIENIC PRACTICES: Ensure all work surfaces are clean. Metal instruments should not be used with this product or stored inside product containers.

Occupational Exposure Values:

OSHA PEL-TWA:	None Established
ACGIH TLV-TWA:	**Sodium Persulfate//Potassium Persulfate: 0.1 mg/m3**
OSHA PEL/ACGIH TLV STEL :	None Established
OSHA PEL/ACGIH TLV CEILING:	None Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Finely divided, free-flowing powder. May be white or colored and could have a possible ammonia odor or enhanced fragrance.

PHYSICAL STATE: Finely divided, free-flowing powder (solid).

BOILING POINT: F: N/A **C:** N/A **MELTING POINT:** Decomposes

FREEZING POINT: F: N/A **C:** N/A

VAPOR PRESSURE (mmHg): @ F: N/A **C:** N/A

VAPOR DENSITY (AIR = 1): @ F: N/A **C:** N/A

SPECIFIC GRAVITY (H2O = 1): >1 **EVAPORATION RATE:** N/A

SOLUBILITY IN WATER: Approx 80% water soluble

FLAMMABLE LIMITS IN AIR (% BY VOLUME): UPPER: N/A **LOWER:** N/A

FLASH POINT: F: N/A **C:** N/A **METHOD USED:** N/A

AUTOIGNITION TEMPERATURE: F: N/A **C:** N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material is stable at room temperature and under dry conditions. Heat and/or moisture may cause instability.

CONDITIONS TO AVOID (STABILITY): Heat, moisture and contamination with organic materials and metal utensils.

INCOMPATIBILITY (MATERIALS TO AVOID): Organic compounds (including flammable and combustible materials) and reducing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxygen, chlorine, oxides of sulfur, sodium oxide and ammonia

HAZARDOUS POLYMERIZATION: Will not occur **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

OSHA: Not recognized as carcinogenic **ACGIH**: Not recognized as carcinogenic
NTP: Not recognized as carcinogenic **IARC**: Not recognized as carcinogenic

ROUTES OF EXPOSURE: Inhalation, eyes, skin

POTENTIAL HEALTH EFFECTS:

EYES: Irritation **SKIN**: Irritation, possible allergic dermatitis
INGESTION: Harmful if swallowed, slightly toxic **INHALATION**: Irritation and possible sensitization

ACUTE HEALTH HAZARDS: Irritation of eyes, skin and mucous membranes. Possible irritant/allergic dermatitis and respiratory signs and symptoms, the onset of which may be delayed.

CHRONIC HEALTH HAZARDS: Possible allergic dermatitis. Possible respiratory sensitization could occur.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Existing dermatological conditions (such as eczema) and respiratory conditions (such as bronchial asthma and/or bronchitis) may be exacerbated.

SECTION 12: ECOLOGICAL INFORMATION

The product itself has not been tested as a whole, but the following results have been associated with some of its constituents:

Potassium/Sodium Persulfate:

Bluegill sunfish, 96-hour LC50 = 771 mg/L
Rainbow Trout, 96-hour LC50 = 163 mg/L
Daphnia, 48-hour LC50 = 133 mg/L
Grass shrimp, 96 hour LC50 = 519 mg/L

CHEMICAL FATE: Biodegradability does not apply to inorganic substances.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Hair bleaching products are ignitable RCRA hazardous wastes when intended for disposal. Physical and/or chemical deactivation/degradation is the required method of treatment and disposal.

RCRA HAZARD CLASS: D001

Follow all local governmental requirements intended for disposal.

SECTION 14: TRANSPORT INFORMATION

North American Ground Transportation

- **In Consumer Packaging:** ORM-D; Consumer Commodity

- **OTHER THAN CONSUMER PACKAGING:**
  ID NUMBER: UN 1479
  PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  HAZARD CLASS: 5.1
  PACKING GROUP: III
  LABEL STATEMENTS: Oxidizer 5.1 (see label on next page)

Transport Via Water

- **In Consumer Packaging:** Limited Quantity < 5 kg
  ID NUMBER: UN 1479
  PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  HAZARD CLASS: 5.1
  PACKING GROUP: III
  LABEL STATEMENTS: Oxidizer 5.1 or LTD QTY, if applicable (see Division 5.1 label on next page)

- **OTHER THAN CONSUMER PACKAGING:**
  ID NUMBER: UN 1479
  PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  HAZARD CLASS: 5.1
  PACKING GROUP: III
  LABEL STATEMENTS: Oxidizer 5.1 (see label on next page)

Transport Via Air

- **In Consumer Packaging:** Fully Regulated (see classification for "other than consumer packaging" below)
  - Limited quantity (maximum net quantity per package) = 10 kg

- **OTHER THAN CONSUMER PACKAGING:**
  ID NUMBER: UN 1479
  PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  HAZARD CLASS: 5.1
  PACKING GROUP: III
  LABEL STATEMENTS: Oxidizer 5.1 (see label on next page)

Please be aware of carrier transport variations before shipping hazardous materials.

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LABELS FOR THIS PRODUCT WHEN *NOT* SHIPPING AS A CONSUMER COMMODITY

Label for fully regulated materials, Division 5.1:

SECTION 15: REGULATORY INFORMATION

National Fire Protection Association Codes: Health: 1 Fire: 0 Reactivity: 1 Other: OX
Hazardous Materials Identification System: Class C; Oxidizing material
Occupational Safety and Health Administration: Oxidizing material/reactive, irritant, possible sensitizer, slightly toxic
US DOT/ICAO/IMDG: See section 14 above

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: This document replaces the version dated September 15, 2004 and all previous versions of material safety data sheets related to this product.

Preparer: Chandra L. Jennings