



## MATERIAL SAFETY DATA SHEET

MSDS DATE: June 22, 2009

MSDS # 99-029

### 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: 30-40 Volume Developer and Other Products  
Containing  $\geq 8\%$  Hydrogen Peroxide**

Recommendations on use: For promoting deposit of hair color and lightening of hair.

CAUTION: Avoid contact with eyes and prolonged contact with skin. For external use only. Use only as directed. Keep out of reach of children. Discontinue use if rash, redness, or itching occurs. Oxidizer. Keep in a cool place. Avoid contamination.

Refer to product insert or container for additional use warnings.

### SECTION 2: HAZARDS IDENTIFICATION

White, creamy, thick liquid with a faint odor.

May cause skin and severe eye irritation. Harmful if swallowed. May cause severe irritation of gastric mucous membranes if swallowed. Prolonged contact with skin may whiten skin and cause burns. Decomposition yields oxygen and may support combustion.

**OSHA** Oxidizer, Irritant; **DOT** 5.1 Oxidizer; **WHMIS** Class C; Oxidizing Material, Class D; Division 2, Subdivision B; Skin or Eye Irritation; **NFPA** Health: 2 Fire: 0 Reactivity: 1 Other: OX; See section fifteen of this document (Regulatory Information).

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Hydrogen Peroxide	7722-84-1	$\geq 8$

All other ingredients contained in this product are non-hazardous according to the Occupational Safety and Health Administration and applicable domestic/international transport safety regulations.

### SECTION 4: FIRST AID MEASURES

**EYES:** Immediately flush with luke-warm water for fifteen minutes and get medical attention if irritation persists. If the eyes or face becomes swollen during or following use, consult a physician or emergency room immediately.

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

**INGESTION:** If swallowed, drink one or two glasses of water or milk, consult a physician. Do not induce vomiting.

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

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** No special remarks



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## SECTION 5: FIRE-FIGHTING MEASURES

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**EXTINGUISHING MEDIA:** Carbon dioxide/dry chemical, foam, or water spray. Selection of a fire extinguisher should be appropriate to address the location of the fire and other materials involved.

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Caution: Oxidizer – Residual product on towels, sponges, or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives. Thermal degradation may also produce oxides of silicone.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** For small spills, absorb with inert material. Dilute with water. Absorb liquid and scrub the area with detergent. Rinse paper towels, sponges, or mops thoroughly prior to disposal or storage. For larger spills, dike and contain the free liquid. Solidify with vermiculite, spill pillows, or other suitable absorbent. Solidified material should be placed in proper containers for disposal. Take care to avoid contact with wet surfaces or walkways that may become slick when product is present.

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

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Do not expose to heat and flame. Keep in a cool place. Use only in well ventilated areas. Avoid contamination with combustible organic materials (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. 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. Residual product on towels, sponges, or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage. Keep container closed when not in use. Decomposition of hydrogen peroxide may occur with increase in pressure and possible container rupture.

**OTHER PRECAUTIONS:** None known

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized to control nuisance odors associated with product fragrance.

**VENTILATION:** Local exhaust ventilation is not typically required for product use, but may be used to reduce nuisance odors associated with product.

**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.

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

**SKIN PROTECTION:** None required for product use. 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:** None required for product use. Tyvek clothing may also be suitable for handling large quantities of material. Safety shower and eyewash station should be immediately available for manufacturing operations.



**WORK HYGIENIC PRACTICES:** Ensure all work surfaces are clean and dry.

**Occupational Exposure Values:**

OSHA PEL-TWA:	Hydrogen Peroxide: 1 ppm
ACGIH TLV-TWA:	Hydrogen Peroxide: 1 ppm
OSHA PEL/ACGIH TLV STEL :	None Established
OSHA PEL/ACGIH TLV CEILING:	None Established

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** White, creamy, thick liquid with a faint odor.

**PHYSICAL STATE:** Liquid.

**BOILING POINT:** F: ~212      C: ~100      **MELTING POINT:** N/A

**FREEZING POINT:** F: ~32      C: ~0

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

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

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** ~1      **EVAPORATION RATE:** N/A

**SOLUBILITY IN WATER:** Miscible      **pH:** 2.4 – 2.8

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

**FLASH POINT:** F: >200 C: >93.4      **METHOD USED:** Closed Cup

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

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** Stable

**CONDITIONS TO AVOID (STABILITY):** Heat and sunlight.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Reducing agents (e.g. waving lotions); metals (e.g. iron and zinc); and organic compounds (including flammable and combustibles). Do not use metallic bowls and stirrers.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxygen.

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



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## SECTION 11: TOXICOLOGICAL INFORMATION

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### CARCINOGENICITY:

**OSHA:** Not recognized as carcinogenic

**ACGIH:** Not recognized as carcinogenic

**NTP:** Not recognized as carcinogenic

**IARC:** Not recognized as carcinogenic

**ROUTES OF EXPOSURE:** Eyes, skin, inhalation

### POTENTIAL HEALTH EFFECTS:

**EYES:** Mild to moderate transient irritation

**SKIN:** Irritation or sensitization in sensitive individuals

**INGESTION:** Gastrointestinal disturbance and diarrhea

**INHALATION:** Mild transient respiratory irritation

**ACUTE HEALTH HAZARDS:** May cause skin and severe eye irritation. Harmful if swallowed. May cause severe irritation of gastric mucous membranes if swallowed.

**CHRONIC HEALTH HAZARDS:** None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

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## SECTION 12: ECOLOGICAL INFORMATION

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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.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Products in this category are RCRA ignitable (D001) hazardous wastes when intended for disposal. Physical and/or chemical deactivation/degradation is the recommended method of treatment and disposal for these products.

**RCRA HAZARD CLASS:** D001

Follow all local governmental requirements intended for disposal.

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## **SECTION 14: TRANSPORT INFORMATION**

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### **North American Ground Transportation**

- **In Consumer Packaging:** ORM-D; Consumer Commodity
- **OTHER THAN CONSUMER PACKAGING:**  
**ID NUMBER:** UN 2984  
**PROPER SHIPPING NAME:** Hydrogen Peroxide, aqueous solutions  
**HAZARD CLASS:** 5.1  
**PACKING GROUP:** III  
**LABEL STATEMENTS:** Oxidizer 5.1 (see Division 5.1 label)

### **Transport Via Water**

- **In Consumer Packaging:** Limited Quantity < 5 L  
**ID NUMBER:** UN 2984  
**PROPER SHIPPING NAME:** Hydrogen Peroxide, aqueous solutions  
**HAZARD CLASS:** 5.1  
**PACKING GROUP:** III  
**LABEL STATEMENTS:** LTD QTY
- **OTHER THAN CONSUMER PACKAGING:**  
**ID NUMBER:** UN 2984  
**PROPER SHIPPING NAME:** Hydrogen Peroxide, aqueous solutions  
**HAZARD CLASS:** 5.1  
**PACKING GROUP:** III  
**LABEL STATEMENTS:** Oxidizer 5.1 (see Division 5.1 label)

### **Transport Via Air**

- **In Consumer Packaging:** Fully Regulated (see classification for “other than consumer packaging” below)
  - Limited quantity (maximum net quantity per package) = 1 L
- **OTHER THAN CONSUMER PACKAGING:**  
**ID NUMBER:** UN 2984  
**PROPER SHIPPING NAME:** Hydrogen Peroxide, aqueous solutions  
**HAZARD CLASS:** 5.1  
**PACKING GROUP:** III  
**LABEL STATEMENTS:** Oxidizer 5.1 (see Division 5.1 label)

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

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

Label for fully regulated materials, Division 5.1:





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## SECTION 15: REGULATORY INFORMATION

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**National Fire Protection Association Codes:** Health: 2 Fire: 0 Reactivity: 1 Other: OX

**Hazardous Materials Identification System:** Class C; Oxidizing Material, Class D; Division 2, Subdivision B; Skin or Eye Irritation

**Occupational Safety and Health Administration:** Oxidizer, irritant

**US DOT/ICAO/IMDG:** See section 14 above

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## SECTION 16: OTHER INFORMATION

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**PREPARATION INFORMATION:** This document replaces the version dated September 27, 2004 and all previous versions of material safety data sheets related to this product.

Preparer: Ronald Weslosky/Chandra L. Jennings