Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U.S. Department of Labor **#99-014**
Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY
Semi-Permanent and Permanent Hair Dyes Containing Isopropanol

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name L'Oreal USA Products, Inc.	Emergency Telephone Number (800) 535-5053 (Int'l 352-323-3500)
Address (Number, Street, City, State, and ZIP Code) 111 Terminal Avenue	Telephone Number For Information (732) 499-2746
Clark, NJ 07066	Date Prepared January 27, 2006 (replaces December 13, 2003)
	Signature of Preparer (optional) CLJ

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity;Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropanol	400 ppm			<15
Ethanolamine	3 ppm			<10
Ethoxydiglycol				<10
Ammonium Hydroxide		25 ppm		<7
p-Phenylenediamine	0.1mg/m³			<5
Aminophenols	None			<2
Resorcinol		10 ppm		<3.4
Hydroquinone	2 mg/m³			<1

Section III - Physical/Chemical Characteristics

Boiling Point	150-200°F	Specific Gravity (H2O = 1)	0.9-1.0
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	<1	Evaporation Rate (Butyl Acetate = 1)	>1

Solubility in Water
Soluble pH = 9.0-11.5

Appearance and Odor
Clear yellow to amber watery liquid with an alcoholic/ammonical odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
80-120°F (closed cup)	Isopropanol	2.5%	12%

Extinguishing Media
Carbon dioxide, dry chemical, foam, and/or water spray.

Special Fire Fighting Procedures
For small fires, use carbon dioxide, dry chemical, and/or foam.
For larger fires, use ample quantities of water.

Unusual Fire and Explosion Hazards
None; however, observe usual precautions for handling of flammable materials.
For manufacturing, minimize airborne vapor levels through engineering controls.

Section V - Reactivity Data

#99-014

Stability	Unstable		Conditions to Avoid	Avoid heat, fire, flame, and other sources of ignition.
	Stable	X		

Incompatibility (Materials to Avoid)

Oxidizing agents and nitric acid.

Hazardous Decomposition or Byproducts

None known.

Hazardous Polymerization	May Occur		Conditions to Avoid	None known.
	Will Not Occur	X		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Not likely.

Health Hazards (Acute and Chronic)

Harmful if swallowed, inhaled, or absorbed through skin. This product may cause serious irritant, respiratory, and/or allergic reactions in sensitive individuals.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

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

Medical Conditions Generally Aggravated by Exposure

Existing dermatological conditions, such as eczema, and respiratory conditions, such as bronchial asthma and/or chronic bronchitis, may be exacerbated.

Emergency and First Aid Procedure

If swallowed, call a physician, hospital emergency room, or poison control center immediately. Induce vomiting only if recommended by medical personnel. Get prompt medical attention. If eye or skin contact occurs, immediately flush with water and get medical attention if irritation occurs.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Eliminate all sources of ignition. Dike and contain the free liquid, if any, and absorb on vermiculite, spill pillows, or other suitable absorbant material. Place spent absorbants in UN specification drums for disposal.

Waste Disposal Method

Isopropanol-based hair dyes are ignitable (D001) RCRA hazardous wastes when intended for disposal. Incineration is the required method of treatment and disposal.

Precautions to be Taken in Handling and Storage

Store bulk quantities in a cool, well-ventilated room away from ignition sources. Limit quantities on hand to the extent possible. Avoid contact with eyes and skin (other than areas of application). Do not inhale or ingest. Prepare and use in a well-ventilated area. To assure maximum shelf-life, avoid direct sunlight.

Other Precautions

For external use only. Use only as directed. Keep out of reach of children. Patch test is intended to identify skin reaction only; it will not necessarily predict sensitization or irritation secondary to inhalation. Read the product package insert completely.

Section VIII - Control Measures #99-014

Respiratory Protection (Specify Type)

For manufacturing/filling, wear a NIOSH-approved respirator if constitutent TLVs are exceeded. For spill management, use an approved-self-contained breathing apparatus. For product use, respiratory protection is generally unnecessary.

Ventilation	Local Exhaust	Explosion-Proof	Special
	Mechanical(General)	Explosion-Proof	Other

Protective Gloves

Plastic or rubber gloves.

Other Protective Clothing or Equipment

Safety gloves with side shields and protective clothing for bulk quantities.

Work/Hygienic Practices

OSHA hazard classification: Flammable/combustible, irritant, slightly toxic, possible sensitizer.
DOT classification: Bulk-Flammable liquids, N.O.S. (Isopropanol) 3 UN 1993 PGII.
Finished Product - Consumer Commodity, ORM-D.