

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
 Occupation Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

#99-011

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.

IDENTITY
 Water-Based Aerosols-NFPA Level I

Section I

Manufacturer's Name
 L'Oreal USA Products, Inc.
 Address (Number, Street, City, State, and ZIP Code)
 111 Terminal Avenue
 Clark, NJ 07066

Emergency Telephone Number
 (800) 535-5053 (Int'l 352-323-3500)
 Telephone Number For Information
 (732) 499-2745
 Date Prepared
 December 18, 2003
 Signature of Preparer (optional)
 GCD

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Difluoroethane	None			<15
Isobutane	800 ppm			<5
Butane	800 ppm			<5
Dimethyl Ether	None			<5
Propane	1000 ppm			<1

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	~1
Vapor Pressure (mm Hg)	2,500-5,500	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	>1

Solubility in Water
 Soluble pH = 3.5-9.5

Appearance and Odor
 Aerosol can dispenses white to off-white foam with a pleasant odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
<0°F (closed cup)	Butane	1.9%	8.5%
Extinguishing Media	Water and/or foam.		

Special Fire Fighting Procedures
 Treat as an NFPA Level I aerosol. Follow NFPA guidelines.

Unusual Fire and Explosion Hazards

Shipped and stored as liquified compressed gas under pressure. The propellants are extremely flammable as individual components. However, the finished product is non-flammable based upon flame extension criteria.

Section V - Reactivity Data

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

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Unlikely	Yes	Unlikely.

Health Hazards (Acute and Chronic)

May cause eye irritation. Ingestion of large quantities may produce temporary gastrointestinal disturbance and diarrhea. No adverse effects anticipated following dermal exposure.

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

Signs and Symptoms of Exposure

Possible eye irritation.

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedure

If in eyes, flush with water for at least 15 minutes. Get medical attention if irritation occurs. If swallowed, drink one or two glasses of water or milk. Consult a physician if gastrointestinal symptoms occur. In case of overexposure of skin, wash off with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Since product is a sealed aerosol, discharge of contents is unlikely unless can is punctured. Should this occur, solidify foam and/or free liquid with a suitable absorbant and place in proper containers for disposal.

Waste Disposal Method

Water-based aerosol products are ignitable (D001) RCRA hazardous wastes when intended for disposal. Controlled incineration at a hazardous waste facility is the recommended technology for treatment and disposal.

Precautions to be Taken in Handling and Storage

Caution: Contents under pressure. Do not store at temperatures above 120°F. Do not puncture or incinerate. Avoid fire, flame, heat, and other sources of ignition.

Other Precautions

Keep out of reach of children. For external use only. Use only as directed.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None necessary for product use. For manufacturing/filling, wear a NIOSH-approved organic vapor respirator if constituent TLVs are exceeded.

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

Protective Gloves

Not applicable.

Other Protective Clothing or Equipment

Safety glasses and protective clothing for manufacturing operations.

Work/Hygienic Practices

OSHA hazard classification: Flammable compressed gas

DOT classification: Bulk - Aerosols, flammable 2.1 UN 1950

Finished Product - Consumer Commodity, ORM-D.

