

OSHA HAZARD COMMUNICATION STANDARD  
HAZARDOUS FINISHED GOODS  
ALCOHOL-BASED AEROSOLS-NFPA LEVEL II

MSDS #99-012

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REDKEN AIR TIGHT HAIRSPRAY

[REDACTED]

REDKEN FRAMEWORK HAIRSPRAY

REDKEN INFLATE HAIRSPRAY

REDKEN QUICK DRY SHAPING MIST

[REDACTED]

REDKEN TOUCH CONTROL GLYPROGENIC STYLING WHIP

[REDACTED]

**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****#99-012**

Occupation Safety and Health Administration  
(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

**IDENTITY**

Alcohol-Based Aerosols-NFPA Level II

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 (732) 499-2990
Address (Number, Street, City, State, and ZIP Code) 2400 U.S. Route 1 North	Telephone Number For Information (732) 940-4612
North Brunswick, NJ 08902	Date Prepared October 24, 2001
	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)
Ethyl Alcohol	1000 ppm			<70
Dimethyl Ether	None			≤30
Isobutane	800 ppm			<30
Butane	800 ppm			≤25
Propane	1000 ppm			≤25
Difluoroethane	None			≤20
Pentane		600 ppm		<10

**Section III - Physical/Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	~0.9
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**

Miscible

**Appearance and Odor**

Aerosolized, colored, fragranced, water-thin liquid.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) <0°F (closed cup)	Flammable Limits Butane	LEL 1.9%	UEL 8.5%
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**Extinguishing Media**

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

**Special Fire Fighting Procedures**

Treat as an NFPA Level II aerosol. Follow NFPA guidelines.

**Unusual Fire and Explosion Hazards**

Product contains both flammable propellant and solvent. Accordingly, observe all  
appropriate precautions for handling flammable materials.

**Section V - Reactivity Data**

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Stability	Unstable		Conditions to Avoid	Avoid fire, flame, heat, 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)

Causes eye irritation. Overexposure may cause skin irritation. Ingestion may produce signs of alcohol intoxication.

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

## Signs and Symptoms of Exposure

Eye irritation and possible skin irritation. Signs of alcohol intoxication following ingestion.

## Medical Conditions Generally Aggravated by Exposure

None known.

**Emergency and First Aid Procedure**

If in eyes, flush with water for at least 15 minutes and get medical attention. If swallowed, drink one or two glasses of water or milk and consult a physician. In case of overexposure of skin, rinse with water, then wash with soap and plenty of 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, eliminate all sources of ignition. Dike and contain the free liquid and absorb on vermiculite or spill pillows. Place spent absorbants in UN specification drums for disposal.

## Waste Disposal Method

Alcohol-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

Warning: Flammable until dry. Do not use or store near heat, fire, flame, and other sources of ignition. Contents under pressure. Do not store at temperatures above 120°F. Do not puncture or incinerate. Avoid spraying in eyes. Store bulk quantities in a cool, well-ventilated room. Limit inventory to the extent possible.

## Other Precautions

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

**Section VIII - Control Measures**

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## 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

Plastic or rubber for bulk quantities.

## Other Protective Clothing or Equipment

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

## Work/Hygienic Practices

OSHA hazard classification: Flammable compressed gas, eye irritant

DOT classification: Bulk - Aerosols, flammable 2.1 UN 1950

Finished Product - Consumer Commodity, ORM-D.