

**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****#01-035**

Occupation Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

**IDENTITY**

Calcium Hydroxide-Based Hair Relaxer  
Activators

*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) 499-2745

Clark, NJ 07066

Date Prepared

May 26, 2004

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)
Calcium Hydroxide	5 mg/m <sup>3</sup>			<50%
Silica		6 mg/m <sup>3</sup>		<5%

**Section III - Physical/Chemical Characteristics**

Boiling Point	>370°F	Specific Gravity (H <sub>2</sub> O = 1)	>1
Vapor Pressure (mm Hg)	0.08mmHg	Melting Point	N/A
Vapor Density (AIR = 1)	2.6	Evaporation Rate (Butyl Acetate = 1)	<1

Solubility in Water

Miscible

Appearance and Odor

Amber viscous liquid with no odor.

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

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>200°F (closed cup)	None	N/A	N/A

Extinguishing Media

Not applicable.

Special Fire Fighting Procedures

Not applicable.

Unusual Fire and Explosion Hazards

Not applicable.

<b>Section V - Reactivity Data</b>				<b>#01-035</b>
Stability	Unstable		Conditions to Avoid	Avoid excessive heat and/or cold.
	Stable	X		
Incompatibility (Materials to Avoid)				
Avoid strong acids and organic compounds.				
Hazardous Decomposition or Byproducts				
(Thermal decomposition) calcium oxide, carbon monoxide, carbon dioxide.				
Hazardous	May Occur		Conditions to Avoid	
Polymerization	Will Not Occur	X		None known.
<b>Section VI - Health Hazard Data</b>				
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?	
	Yes	Yes	Not likely.	
Health Hazards (Acute and Chronic)				
<p>Harmful if swallowed, inhaled, or absorbed through skin. This product may cause serious irritant, respiratory, and/or allergic reactions in sensitive individuals. When mixed with the hair relaxer cream portion of this product, the mixture becomes highly alkaline, and may cause burns to skin, eyes, and/or mucous membranes if not used according to directions.</p>				
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?	
	No	No	No	
Signs and Symptoms of Exposure				
<p>Irritation of eyes, skin, and mucous membranes. Possible irritant/allergic dermatitis and respiratory signs and symptoms, the onset of which may be delayed. Possible burns to skin, eyes, and/or mucous membranes if product is not used according to directions.</p>				
Medical Conditions Generally Aggravated by Exposure				
<p>Existing dermatological conditions, such as eczema, and respiratory conditions, such as bronchial asthma and/or chronic bronchitis, may be exacerbated.</p>				
Emergency and First Aid Procedure				
<p>If swallowed, call a physician, hospital emergency room, or poison control center immediately. Induce vomiting <u>only</u> if recommended by medical personnel. Get prompt medical attention. If affected by inhalation, move to fresh air. If symptoms persist, get medical attention. If eye or skin contact occurs, immediately flush with water and get medical attention if irritation occurs.</p>				
<b>Section VII - Precautions for Safe Handling and Use</b>				
Steps to be Taken in Case Material is Released or Spilled				
<p>Dike and contain the free liquid, if any, and absorb on vermiculite, spill pillows, or other suitable absorbant material. Place spent absorbants in proper containers for disposal.</p>				
Waste Disposal Method				
<p>This material is not regulated under RCRA. Accordingly, incineration at a non-hazardous waste treatment facility is the preferred method of disposal.</p>				
Precautions to be Taken in Handling and Storage				
<p>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.</p>				
Other Precautions				
<p>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.</p>				

**Section VIII - Control Measures****#01-035****Respiratory Protection (Specify Type)**

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

Ventilation	Local Exhaust	Recommended	Special
	Mechanical(General)	Generally Acceptable	Other

**Protective Gloves**

Plastic or rubber gloves.

**Other Protective Clothing or Equipment**

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

**Work/Hygienic Practices**

OSHA hazard classification: Irritant, slightly toxic.

DOT classification: Bulk - Not regulated.

Finished Product - Not regulated.