

**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****#99-025**

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

**IDENTITY**

Aqueous Perm Wave Waving/Reforming Lotions

*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<br>L'Oreal USA Products, Inc.                          | Emergency Telephone Number<br>(800) 535-5053 (Int'l 352-323-3500) |
| Address (Number, Street, City, State, and ZIP Code)<br>111 Terminal Avenue | Telephone Number For Information<br>(732) 499-2745                |
| Clark, NJ 07066  | Date Prepared<br>December 18, 2003                                |
|  | Signature of Preparer (optional)<br>GCD                           |

**Section II - Hazardous Ingredients/Identity Information**

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|-----------|--------------------------|--------------|
| Ammonium Thioglycolate  | None     |           |                          | <15          |
| Ethanolamine Thioglycolate  | None     |           |                          | <5           |
| Ammonium Hydroxide  |          | 25 ppm    |                          | <2           |

**Section III - Physical/Chemical Characteristics**

|                         |        |   |     |
|-------------------------|--------|---|-----|
| Boiling Point           | ~212°F | Specific Gravity (H <sub>2</sub> O = 1) | ~1  |
| Vapor Pressure (mm Hg)  | N/A    | Melting Point                           | N/A |
| Vapor Density (AIR = 1) | <1     | Evaporation Rate<br>(Butyl Acetate = 1) | <1  |

## Solubility in Water

Miscible pH = 5-10

## Appearance and Odor

Clear or slightly colored water-thin to viscous liquid with an ammonical/sulfurous odor.

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

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

## Extinguishing Media

Not applicable.

## Special Fire Fighting Procedures

Not applicable.

## Unusual Fire and Explosion Hazards

Not applicable.

**Section V - Reactivity Data**

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|           |          |   |                     |
|-----------|----------|---|---------------------|
| Stability | Unstable |   | Conditions to Avoid |
|           | Stable   | X |                     |

Avoid excessive heat.

## Incompatibility (Materials to Avoid)

Metallic stirrers and bowls, iron, nickel, oxidizing agents, and acids.

## Hazardous Decomposition or Byproducts

Hydrogen sulfide, sulfur dioxide, sulfur trioxide.

|                          |                |   |                     |
|--------------------------|----------------|---|---------------------|
| Hazardous Polymerization | May Occur      |   | Conditions to Avoid |
|                          | Will Not Occur | X |                     |

None known.

**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 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.

**Section VII - Precautions for Safe Handling and Use**

## Steps to be Taken in Case Material is Released or Spilled

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.

## Waste Disposal Method

This material is not regulated under RCRA. Accordingly, incineration at a non-hazardous waste treatment facility is the preferred method of disposal.

## Precautions to be Taken in Handling and Storage

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. 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.

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**Section VIII - Control Measures**

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**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<br>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, possible sensitizer.

DOT classification: Bulk - Not regulated.

Finished Product - Not regulated.