# 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** **#99-006**
Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

| IDENTITY | *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.* |
|---|---|
| Sodium Hydroxide Based Hair Relaxers | |

## Section I

| Manufacturer's Name | Emergency Telephone Number |
|---|---|
| L'Oreal USA Products, Inc. | (800) 535-5053 (Int'l 352-323-3500) |
| **Address (Number, Street, City, State, and ZIP Code)** | **Telephone Number For Information** |
| 111 Terminal Avenue | (732) 499-2745 |
| | **Date Prepared** |
| Clark, NJ 07066 | 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) |
|---|---|---|---|---|
| Sodium Hydroxide | 2mg/m³ | | | ≤2.5% |

## Section III - Physical/Chemical Characteristics

| Boiling Point | ~150°F | Specific Gravity (H2O = 1) | ~1 |
|---|---|---|---|
| Vapor Pressure (mm Hg) | N/A | Melting Point | N/A |
| Vapor Density (AIR = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | N/A |

Solubility in Water
Miscible pH = 13-14

Appearance and Odor
White to off-white cream with a pleasant 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.

## Section V - Reactivity Data

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| Stability | | | Conditions to Avoid |
|---|---|---|---|
| | Unstable | | Avoid excessive heat and/or cold. |
| | Stable | X | |

Incompatibility (Materials to Avoid)

Avoid strong acids and organic compounds.

Hazardous Decomposition or Byproducts

(Thermal decomposition) Sodium oxide, carbon monoxide, carbon dioxide.

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

## Section VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Danger: Corrosive. May cause burns of the skin, eyes, and other mucous membranes. Harmful or fatal if swallowed.

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

Signs and Symptoms of Exposure

Contact with skin, eyes, and other mucous membranes will produce chemical burns which, if not promptly treated, may be accompanied by deep ulceration, necrosis, and scarring. Ingestion may produce burns, ulceration, and/or perforation of the alimentary canal followed by shock, circulatory collapse, and possibly death.

Medical Conditions Generally Aggravated by Exposure

Preexisting dermatitis of the scalp and/or skin may be exacerbated by contact with this product.

Emergency and First Aid Procedure

If swallowed and if victim is conscious, immediately rinse mouth with water, then drink one or two glasses of water or milk. Call a physician, hosptial emergency room, or poison control center immediately. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person. If in eyes or on skin, flush with water for at least 15 minutes. Call a physician, hospital emergency room or poison control center immediately. Get medical attention.

## Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Spills of this product should be diked and contained, treated with dilute acetic acid or sodium dihydrogen phosphate to neutralize the excess base, and flushed with excess water to the sanitary sewer system. Spilled material may also be solidified and placed in appropriate UN specification drums for disposal.

Waste Disposal Method

This product is an EPA corrosive (D002) hazardous waste when intended for disposal. Accordingly, disposal should be undertaken at a hazardous waste facility by neutralization, incineration, and/or other treatment and disposal in accordance with RCRA regulations.

Precautions to be Taken in Handling and Storage

Avoid contact with eyes and skin. Do not taste, swallow, or inhale. Store in a cool location away from strong acids and organic compounds.

Other Precautions

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

## 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 | Generally Acceptable | Special |
|---|---|---|---|
| | Mechanical(General) | Recommended | Other |

Protective Gloves

Rubber or neoprene gloves.

Other Protective Clothing or Equipment

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

Work/Hygienic Practices

OSHA hazard classification: Corrosive
DOT classification: Bulk and 4 lb. Tubs - Corrosive solid, basic, organic, N.O.S. (Sodium Hydroxide) 8 UN 3263 PGII
Finished Product (other than 4 lb. tubs)-Consumer Commodity,ORM-D.