

OSHA HAZARD COMMUNICATION STANDARD  
HAZARDOUS FINISHED GOODS  
LIQUID VOLATILE SILICONE-BASED COSMETICS  
**MSDS #99-015**

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REDKEN CREATIVE TOUCH GLASS SMOOTHING COMPLEX  
REDKEN GLASS CONDITIONER

**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****#99-015**

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

**IDENTITY****Liquid Volatile Silicone-Based Cosmetics**

*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>(732) 499-2990       |
| Address (Number, Street, City, State, and ZIP Code)<br>2400 U.S. Route 1 North | Telephone Number For Information<br>(732) 940-4612 |
| North Brunswick, NJ 08902  | Date Prepared<br>March 28, 2002                    |
|  | 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) |
|---|----------|-----------|--------------------------|--------------|
| Cyclomethicone  | None     |           |                          | <85%         |
| Cyclopentasiloxane  | None     |           |                          | <60%         |
| Cyclohexasiloxane   | None     |           |                          | <60%         |

**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)  | >1     | Evaporation Rate<br>(Butyl Acetate = 1) | >1  |
| Solubility in Water<br>Insoluble   |        |   |     |
| Appearance and Odor<br>Semi-viscous clear to translucent liquid with a faint odor. |        |   |     |

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

|  |                                    |             |             |
|--|------------------------------------|-------------|-------------|
| Flash Point (Method Used)<br>95-140°F (closed cup) | Flammable Limits<br>Cyclomethicone | LEL<br>0.5% | UEL<br>8.0% |
|--|------------------------------------|-------------|-------------|

**Extinguishing Media**

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

**Special Fire Fighting Procedures**

Fires involving bulk product may be extinguished with carbon dioxide, dry chemical, and/or foam. Water spray may be used to soak corrugated shipping containers of finished product if involved in a fire.

**Unusual Fire and Explosion Hazards**

None; however, observe usual precautions for handling of flammable liquids. For manufacturing, minimize airborne vapor levels through engineering controls.

**Section V - Reactivity Data**

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|           |          |   |                     |  |
|-----------|----------|---|---------------------|--|
| Stability | Unstable |   | Conditions to Avoid | Avoid heat, fire, and other sources of ignition. |
|           | Stable   | X |                     |  |

Incompatibility (Materials to Avoid)  
Oxidizing agents and nitric acid.

Hazardous Decomposition or Byproducts  
Silicon dioxide, carbon monoxide, carbon dioxide.

|                          |                |   |                     |             |
|--------------------------|----------------|---|---------------------|-------------|
| 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)  
May cause eye irritation. Although product is non-toxic, ingestion of large quantities may produce temporary gastrointestinal disturbance and diarrhea. No adverse effects would be expected following dermal exposure.

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

Signs and Symptoms of Exposure  
Possible eye irritation; temporary gastrointestinal disturbance and diarrhea.

Medical Conditions Generally Aggravated by Exposure  
None known.

**Emergency and First Aid Procedure**

If in eyes, flush with plenty of water for at least 15 minutes. Get medical attention if irritation occurs. If swallowed, drink one or two glasses of water or milk and consult a physician. If on skin, wash with soap and water.

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

Steps to be Taken in Case Material is Released or Spilled  
Eliminate all sources of ignition. Dike and contain the free liquid, if any, and absorb on vermiculite, spill pillows, or other absorbants. Containerize spent absorbants in UN specification drums for disposal. Wash spill area with detergent solution as necessary.

Waste Disposal Method  
Liquid volatile silicone-based cosmetics are ignitable (D001) RCRA hazardous wastes when intended for disposal. Incineration is the required method of treatment and disposal.

Precautions to be Taken in Handling and Storage  
Store bulk quantities in a cool, well-ventilated room. Limit quantities on hand to the extent possible. Store away from possible sources of ignition. Observe usual precautions relative to static electricity. Avoid oxidizing agents and nitric acid.

Other Precautions  
For external use only. Use only as directed.

**Section VIII - Control Measures**

For routine manufacturing/filling operations, none generally required. For spills, wear an approved self-contained breathing apparatus.

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

Protective Gloves

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Rubber or plastic gloves for bulk quantities.

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Other Protective Clothing or Equipment

Safety glasses and protective clothing for bulk quantities.

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Work/Hygienic Practices

OSHA hazard classification: Flammable/combustible.

DOT classification: Bulk - Flammable liquids, N.O.S.  
(cyclomethicone/cyclopentasiloxane/cyclohexasiloxane)  
3 UN 1993 PGIII.  
Finished Product - Consumer Commodity, ORM-D.

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