

## SAFETY DATA SHEET

ISSUANCE DATE: March 18, 2016

SDS # 00-21-015-0

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

L'Oreal USA Products, Inc.  
133 Terminal Avenue  
Clark, NJ 07066

L'Oreal Canada  
4895 rue Hickmore  
Ville St-Laurent, H4Y 1K5  
Canada

#### Emergency Telephone Number

1-800-535-5053 US (International: 352-323-3500)  
In Canada – 1-613-996-6666 (Canutec) (\*666 cellular)

#### For further information:

1-732-499-2741

**Poison Control Number:** 412-390-3326




**Product Name:** Redken Blonde Idol High Lift Conditioning Cream

**Recommendations on use:** Personal care product to be mixed with companion product(s) in accordance with instructions and applied to hair for cosmetic enhancement.

**Restrictions on use:** For external use only. Use only as directed. Avoid direct contact with eyes.

### SECTION 2: HAZARDS IDENTIFICATION

**Signal Word:** DANGER

Symbol	Classification	Hazard Statement	Prevention Statements
	Eye Damage Category 1	Causes serious eye damage	<ul style="list-style-type: none"> <li>Wear eye protection appropriate for the manufacturing operation being performed (goggles or face shield).</li> </ul>
	Toxic to Reproduction Category 2	Suspected of damaging fertility or the unborn child	<ul style="list-style-type: none"> <li>Obtain special instructions before use</li> <li>Do not handle until all safety precautions have been read and understood.</li> <li>Wear nitrile or vinyl protective gloves.</li> </ul>
	Skin Sensitizer Category 1	May cause an allergic skin reaction	<ul style="list-style-type: none"> <li>Avoid breathing mist/vapors.</li> <li>Contaminated work clothing must not be allowed out of the workplace.</li> </ul>

Symbol	Classification	Hazard Statement	Prevention Statements
No symbol required	Skin Irritation Category 2	Causes skin irritation	<ul style="list-style-type: none"> <li>Wash hands thoroughly after handling.</li> </ul>

This material is considered hazardous by the US Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200)

General Precautionary Statements: Keep out of reach of children. Read label before use.

Hazards Not Otherwise Classified: None.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Only hazardous constituents associated with the product are listed below

INGREDIENT:	CAS NO.	% WT
Ammonium Hydroxide	1336-21-6	≤ 8.2%
Pentasodium Pentetate	140-01-2	≤ 0.8%

Ingredients listed below may only be contained in some shades:

Toluene-2,5-Diamine	95-70-5	≤ 0.2%
Resorcinol	108-46-3	≤ 0.2%

### SECTION 4: FIRST AID MEASURES

#### Response Statements:

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing until material is sufficiently removed from the eye. **If eye irritation persists:** Immediately call a Poison Control Center or get medical advice/attention.

**IF ON SKIN:** Wash with plenty of water. **If skin irritation or rash occurs:** Get medical advice/attention. Take off contaminated clothing and wash it before reuse. See product labeling/insert for additional treatment recommendations.

**IF INHALED:** Remove person to fresh air and keep in a position comfortable for breathing. Call a Poison Control Center if you feel unwell.

**IF SWALLOWED:** Do not induce vomiting. Never give anything by mouth to an unconscious individual. Consult a physician or Poison Control Center immediately.

**IF EXPOSED OR CONCERNED:** Get medical advice/attention.

**SYMPTOMS/EFFECTS:** Causes serious eye damage. Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction. Causes skin irritation.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Consult product labeling. No special advice.

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## SECTION 5: FIRE-FIGHTING MEASURES

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### Notes for Non-Emergency Personnel:

**EXTINGUISHING MEDIA:** In case of fire: Use carbon dioxide, dry chemical, foam and/or water spray to extinguish. Selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved. Please review the tools available at your location to ensure proper availability of equipment.

### Notes for those trained to participate in an emergency:

**SPECIAL FIRE FIGHTING PROCEDURES:** Follow National Fire Protection Association Guidelines or local guidelines appropriate for emergency response.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None required.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal degradation may produce oxides of carbon, ammonia, hydrocarbons, and/or derivatives.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### Notes for non-emergency personnel:

Consult trained response personnel for clean-up of large spills or locations where providing preliminary control of the chemical release is hazardous. Hazardous locations include areas where ignition sources cannot be controlled. Isolate the area and deny entry to unnecessary and unprotected personnel. Sections 2, 5, 7 and 8 of this document should be consulted upon use of material, to become knowledgeable of the material's hazards and how to control associated risks.

If the location is not hazardous and only a small amount of material is released, control the spill using absorbent pads while wearing the protective equipment as noted below. Clean the area with detergent and water. Prohibit discharge to drains, soil, surface and ground waters. Dispose in accordance with Section 13 of this document.

**PERSONAL PROTECTIVE EQUIPMENT:** Nitrile or vinyl gloves, safety glasses/goggles, protective clothing (e.g. apron) may be required for clean-up of large spills. Respiratory protection is typically not necessary, but may be used depending upon the size of the spill and occupational exposure limits. Respiratory protection may include the use of organic vapor cartridges. Refer to Section 8 for additional information.

### Notes for those trained to participate in an emergency:

**ACCIDENTAL RELEASE MEASURES:** Dike and contain the free liquid and absorb on vermiculite or spill pillows/pads. Solidified materials should be placed in sturdy containers for disposal. Place spill residual in appropriate containers for disposal. Wash area completely with water. Avoid contact with wet surfaces or walkways that may become slick when residue is present. Prohibit discharge to drains, soil, surface and ground waters.

Recommendations for personal protective equipment selection are noted above. Dispose in accordance with section 13 of this document.

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## SECTION 7: HANDLING AND STORAGE

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### PRECAUTIONS FOR SAFE HANDLING:

Do not eat, drink or smoke while working with chemical materials. Employees should be advised to wear appropriate protective equipment in the manufacturing environment. See section 8 of this document for protective equipment selection. All manufacturing should be performed indoors, in an enclosed environment.

Maintain a clean work environment which includes use of properly functioning containers, proper housekeeping practices.

**CONDITIONS FOR SAFE STORAGE:**

**Storage precautions for unpackaged product (manufacturing environment):** Store in a well-ventilated place and keep cool. Keep containers closed when not in use. Store locked up. Store where releases can easily be contained.

**Storage precautions for packaged product:** See consumer packaging.

Keep away from open drains and access to the environment.

**Incompatible materials:** None known.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**CONTROL PARAMETERS:** These criteria have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the work day. These references do not coincide with product use. These references are meant to be in association with the manufacturing environment.

**OCCUPATIONAL EXPOSURE VALUES:**

Component Name (CAS-No.)	Reference	TWA		STEL/CEILING	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ammonium Hydroxide (as Ammonia) (7664-41-7)	OSHA PEL	50	35	--	--
	ACGIH TLV	25	17	35	24
	NIOSH REL	25	18	35	27
Resorcinol (108-46-3)	OSHA PEL	--	--	--	--
	ACGIH TLV	10	45	20	90
	NIOSH REL	10	45	20	90

No occupational exposure values have been published for other constituents noted in Section 3.

**WORK HYGIENIC PRACTICES:** Ensure all work surfaces are maintained, to prevent contamination.

**ENGINEERING CONTROLS:** None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized. Exhaust ventilation should be utilized to maintain air concentrations of material below the occupational exposure guidelines noted above.

Local exhaust ventilation is not typically required for product use. For handling large quantities of material, such as in the manufacturing of product -- Local Exhaust: Explosion proof. Mechanical (general): Explosion proof.

**PERSONAL PROTECTIVE EQUIPMENT:** Consistent with good hygiene practices, personal protective equipment (PPE) should be used in conjunction with other control measures including engineering controls, ventilation and isolation. See also Section 5 of this document for PPE advice, in the event of an emergency.

**Eye/Face Protection (Non-Emergency):** None required for product use. For handling of large quantities of liquid material, safety glasses with side shields/goggles are recommended.

**Skin Protection (Non-Emergency):** None required for product use. For handling large quantities of material, such as in product manufacturing, nitrile or vinyl gloves should be considered for use. Tyvek clothing may also be suitable for handling large quantities of material in the manufacturing environment.

**Respiratory Protection (Non-Emergency):** Respiratory protection is not required for product use. For manufacturing of product, respiratory protection may be considered. Ensure that the respirator meets current local occupational health and safety standards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE:</b>	Cream
<b>ODOR:</b>	Characteristic – Thio
<b>ODOR THRESHOLD:</b>	Not Available
<b>pH:</b>	9.8 – 10.8
<b>MELTING/FREEZING POINT:</b>	<b>F:</b> Not Available <b>C:</b> Not Available
<b>BOILING POINT:</b>	<b>F:</b> Not Available <b>C:</b> Not Available
<b>FLASH POINT:</b>	<b>F:</b> > 212 <b>C:</b> > 100 <b>METHOD USED:</b>
<b>EVAPORATION RATE:</b>	Not Available    ( <b>Butyl acetate = 1</b> )
<b>FLAMMABILITY:</b>	Not Applicable to Liquids
<b>FLAMMABLE LIMITS IN AIR:</b>	Not Applicable
<b>VAPOR PRESSURE (mmHg):</b>	@ F: Not Available @ C: Not Available
<b>VAPOR DENSITY (AIR = 1):</b>	@ F: Not Available @ C: Not Available
<b>RELATIVE DENSITY (H<sub>2</sub>O = 1):</b>	0.95 – 0.99
<b>SOLUBILITY IN WATER:</b>	Not Available
<b>PARTITION COEFFICIENT:</b>	Not Available
<b>AUTOIGNITION TEMPERATURE:</b>	Not Available
<b>DECOMPOSITION TEMPERATURE:</b>	Not Available
<b>VISCOSITY:</b>	Not Available

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**SECTION 10: STABILITY AND REACTIVITY**

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**REACTIVITY:** Material is not considered reactive under typical handling and storage conditions.

**STABILITY:** Product is stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None known. Hazardous polymerization is not expected to occur.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY (MATERIAL TO AVOID):** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal degradation may produce oxides of carbon, ammonia, hydrocarbons, and/or derivatives.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Where information is not listed specifically for constituents, published information was not available.

**POTENTIAL HEALTH EFFECTS**

**ACUTE HEALTH EFFECTS:**

**SKIN CORROSION/IRRITATION:** Causes skin irritation

**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye damage

**RESPIRATORY/SKIN SENSITIZATION:** May cause an allergic skin reaction

**INGESTION:** Harmful if swallowed

**INHALATION:** None expected

**ROUTES OF EXPOSURE:** Inhalation, eyes, skin, ingestion

**SYMPTOMS:** Causes serious eye damage. Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction. Causes skin irritation.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

**ACUTE TOXICOLOGY DATA FOR COMPONENTS**

Material	Route	Species	Test Results
Ammonium Hydroxide	Oral LD <sub>50</sub>	Rat (OECD 401)	350 mg/kg bw
Ammonium Hydroxide	LC <sub>50</sub> (1 hr)	Rat	11,590 mg/L air
Pentasodium Pentetate	Oral LD <sub>0</sub>	Rat (OECD 401)	> 5,000 mg/kg bw
Pentasodium Pentetate	Dermal LD <sub>50</sub>	Rat (OECD 402)	> 2,000 mg/kg bw
Toluene-2,5-diamine	Oral LD <sub>50</sub>	Rat	100 mg/kg bw
Resorcinol	Oral LD <sub>50</sub>	Rat (OECD 401)	510 mg/kg bw

**Skin Corrosion/Irritation:**

*Ammonium Hydroxide* Irritating (5 - 10%); Corrosive (>10%) (Rat, OECD 404)

*Pentasodium Pentetate:* Not Irritating (Rabbit, OECD 404)

*Toluene-2,5-Diamine:* Not Irritating (Rabbit, OECD 404)

*Resorcinol:* Not Irritating (Rabbit, OECD 404)

**Serious Eye Damage/Irritation:**

*Ammonium Hydroxide* Corrosive (Rabbit)

*Pentasodium Pentetate:* Not Irritating (Rabbit, OECD 405)

*Toluene-2,5-Diamine:* Irritating (Rabbit, OECD 405)

*Resorcinol:* Not Irritating (Rabbit, OECD 405)

**Respiratory Irritation:**

*Ammonium Hydroxide* Highly Irritating (>50 ppm) (Human)

**Skin Sensitization:**

*Ammonium Hydroxide* Not Sensitizing (Guinea Pig)

*Pentasodium Pentetate:* Not Sensitizing (Guinea Pig, OECD 406)

*Toluene-2,5-Diamine:* Sensitizing (Guinea Pig, OECD 406)

*Resorcinol:* Sensitizing (Mouse) (OECD 429)

**CHRONIC HEALTH HAZARDS:**

**REPEAT DOSE TOXICITY:**

NOAEL (Pentasodium Pentetate, oral): ca. 75 mg/kg bw/day

NOAEL (Resorcinol, oral): 80 mg/kg bw/d (Rat, OECD 408)

**CARCINOGENICITY:**

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
Toluene-2,5-diamine	--	--	--	IARC-3
Resorcinol (108-46-3)	--	TLV-A4	--	IARC-3

**Notes:** ACGIH TLV-A4 – This reference indicates that the material is “Not Classifiable as a Human Carcinogen”.  
IARC-3 – This reference indicated that the material is “Unclassifiable as Carcinogenicity in Humans”

**MUTAGENICITY:**

*Ammonium Hydroxide:* A variety of *in vitro* tests have produced negative results.  
*Pentasodium Pentetate:* A variety of *in vitro* tests have produced negative results.  
*Toluene-2,5-Diamine:* A variety of *in vitro* tests have produced negative results  
*Resorcinol:* A variety of *in vitro* tests have produced positive results and *in vivo* tests negative results.

**REPRODUCTIVE TOXICITY:**

*Resorcinol:* NOAEL: > 3,000 mg/kg bw/day (Rat, OECD 416)

**DEVELOPMENTAL TOXICITY/TERATOGENICITY:**

*Ammonium Hydroxide:* NOAEL: 1,000 mg/kg bw/d (Mouse)  
*Pentasodium Pentetate* NOAEL: 100 mg/kg bw/day (nominal)  
*Resorcinol:* NOAEL: 250 mg/kg/day (Rat, OECD 414)

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## SECTION 12: ECOLOGICAL INFORMATION

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Contact with the environment should be avoided. Spills and leaks should be immediately cleaned up and removed. All precautions should be taken to prevent contact with the environment. Published information regarding ingredients listed on this document area found below; where data is not listed, documentation was unavailable.

**ACUTE AND PROLONGED TOXICITY TO FISH**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Ammonium Hydroxide	LC <sub>50</sub>	1.73 mg/L	Lepomis cyanellus	96 h
Pentasodium Pentetate	LC <sub>50</sub> (OECD 203)	1115 mg/L	Lepomis macrochirus	96 h
Resorcinol	LC <sub>50</sub>	29.5 mg/L	Pimephales promelas	96 h

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Ammonium Hydroxide	EC <sub>50</sub> (E729-80)	101 mg/L	Daphnia magna	48 h
Pentasodium Pentetate	EC <sub>50</sub> (OECD 202)	245 mg/L	Daphnia magna	48 h
Resorcinol	EC <sub>50</sub> (OECD 202)	4.7 mg/L	Daphnia magna	48 h

**TOXICITY TO AQUATIC PLANTS**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Pentasodium Pentetate	EC <sub>50</sub> (OECD 201)	2.6 mg/L	Desmodemus subspicatus	72 h
Resorcinol	EC <sub>50</sub> (OECD 201)	> 97 mg/L	Pseudokirchneriella subcapitata	72 h

**TOXICITY TO MICROORGANISMS**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Resorcinol	EC <sub>50</sub> (OECD 209)	79 mg/L	Activated Sludge	3 h



**PERSISTENCY AND DEGRADABILITY:**

<i>Ammonium Hydroxide</i>	Readily Biodegradable – Converts to nitrates
<i>Pentassium Pentetate</i>	Readily Biodegradable – OECD 301 B eq.
<i>Toluene-2,5-Diamine</i>	Not Readily Biodegradable
<i>Resorcinol</i>	Readily Biodegradable – OECD 301 C

**BIOACCUMULATIVE POTENTIAL:**

<i>Ammonium Bicarbonate</i>	log Pow: -2.4 (OECD 107) – Not expected to bioaccumulate
<i>Diammonium Dithiodiglycolate</i>	log Pow: -3.6 – Not expected to bioaccumulate
<i>Resorcinol</i>	BCF: 3.162 – Not expected to bioaccumulate

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

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Those responsible for the performance of disposal, recycling or reclamation activities should refer to Section 8 of this document for advice on personal protective equipment and exposure controls.

**WASTE DISPOSAL CONTAINERS:** Appropriate containers should be utilized which may include fiberboard boxes for products and metal or plastic drums for liquids.

**WASTE DISPOSAL METHOD:** As manufactured, this product does not exhibit any RCRA characteristics of hazardous waste. Controlled incineration at a hazardous waste facility is the recommended technology for treatment and disposal. This material must not be disposed through sewage.

**RCRA HAZARD CLASS: NOT APPLICABLE**

Follow all local governmental requirements intended for disposal.

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## **SECTION 14: TRANSPORT INFORMATION**

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**North American Ground Transportation**

- **IN CONSUMER PACKAGING:** Not Regulated
- **OTHER THAN CONSUMER PACKAGING:** Not Regulated

**Transport Via Water**

- **IN CONSUMER PACKAGING:** Not Regulated
- **OTHER THAN CONSUMER PACKAGING:** Not Regulated

**Transport Via Air (Domestic/International)**

- **IN CONSUMER PACKAGING:** Not Regulated
- **OTHER THAN CONSUMER PACKAGING:** Not Regulated

Please be aware of carrier transport variations before shipping hazardous materials.

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## **SECTION 15: REGULATORY INFORMATION**

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**National Fire Protection Association Codes:** Health: 2 Fire: 1 Reactivity: 0 Other: None

**Workplace Hazardous Materials Identification System:** Class D; Division 2, Subdivision A; Teratogenic/Reproductive Toxic; Class D; Division 2, Subdivision B; Skin Sensitization; Class E; Corrosive Material (Eye)

This regulatory information represents the product, in its consumer packaging.



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**SECTION 16: OTHER INFORMATION**

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**PREPARATION INFORMATION:** This is the first issuance of this document.

Author: Ronald Weslosky (Corporate Regulatory Services)