

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

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

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

**For further information:**  
1-732-499-2741

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

**Product Name:** Kiehl's Facial Fuel Eye Cream Reno

**Recommendations on use:** Personal care product used on the skin for cosmetic effect.

**Restrictions on use:** For external use only. Use only as directed.

## SECTION 2: HAZARDS IDENTIFICATION

**Signal Word:** NONE

Symbol	Classification	Hazard Statement	Prevention Statements
No Symbol Required	NON-HAZARDOUS	NONE	NONE

This material is not considered hazardous by the U.S. 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**

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Glycerin	56-81-5	≤ 11.3%
Dodecamethylpentasiloxane	141-63-9	≤ 6.0%
Niacinamide	98-92-0	≤ 5.0%
Caffeine	58-08-2	≤ 2.0%
Dimethicone/PEG-10/15 Crosspolymer	374928-42-4	≤ 1.3%

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## SECTION 4: FIRST AID MEASURES

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### **Response Statements:**

**IF IN EYES:** If eye irritation occurs: 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:** Get medical advice/attention.

**IF ON SKIN:** If skin irritation occurs: Wash with plenty of water. **If skin irritation persists:** Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**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.

**SYMPTOMS/EFFECTS:** None expected.

**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, 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.

## SECTION 7: HANDLING AND STORAGE

**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 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.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**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>
Glycerin (mist) 56-81-5	OSHA PEL	--	15*/5**	--	--
	ACGIH TLV	--	--	--	--
	NIOSH REL	--	--	--	--

Notes: \*(OSHA) – Total Dust  
 \*\*(OSHA) – Respirable Fraction

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 – White		
<b>ODOR:</b>	Characteristic		
<b>ODOR THRESHOLD:</b>	Not Available		
<b>pH:</b>	Not Available		
<b>MELTING/FREEZING POINT:</b>	F: Not Available C: Not Available		
<b>BOILING POINT:</b>	F: ≥ 212	C: ≥ 100	
<b>FLASH POINT:</b>	F: > 212	C: > 100	<b>METHOD USED:</b> Closed cup
<b>EVAPORATION RATE:</b>	Not Available (Butyl acetate = 1)		
<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 (H2O = 1):</b>	Not Available		
<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		

**SECTION 10: STABILITY AND REACTIVITY**

**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, 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:** None expected

**SERIOUS EYE DAMAGE/IRRITATION:** None expected

**RESPIRATORY/SKIN SENSITIZATION:** None expected

**INGESTION:** Harmful if swallowed

**INHALATION:** None expected

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

**SYMPTOMS:** None expected

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

**ACUTE TOXICOLOGY DATA FOR COMPONENTS**

Material	Route	Species	Test Results
Glycerin	Oral LD50	Rat	27,200 mg/kg bw
Glycerin	Dermal LD50	Rabbit	> 18,700 mg/kg bw
Glycerin	LC <sub>50</sub> (1h)	Rat	> 570 mg/m <sup>3</sup> air
Dodecamethylpentasiloxane (RA L3)	Oral LD <sub>50</sub>	Rat (OECD 423)	> 2,000 mg/kg bw
Dodecamethylpentasiloxane	Dermal LD <sub>50</sub>	Rat (OECD 402)	> 2,000 mg/kg bw
Dodecamethylpentasiloxane (RA L4)	LC <sub>50</sub> (6 hr)	Rat (OECD 440 eq.)	> 5,000 mg/m <sup>3</sup> air
Niacinamide	Oral LD <sub>50</sub>	Rat (OECD 423)	> 2,500 mg/kg bw
Niacinamide	Dermal LD <sub>50</sub>	Rabbit (OECD 402)	> 2,000 mg/kg bw
Niacinamide	LC <sub>50</sub> (4h)	Rat (OECD 436)	3.8 mg/L air
Caffeine	Oral LD <sub>50</sub>	Rat (OECD 401 eq.)	367.7 mg/kg bw
Caffeine	Dermal LD <sub>50</sub>	Rat (OECD 402 eq.)	> 2,000 mg/kg bw
Caffeine	LC <sub>50</sub> (4h) (Aerosol)	Rat (OECD 403)	4.94 mg/L air
Dimethicone/PEG-10/15 Crosspolymer	Oral LD <sub>50</sub>	Rat	> 2,000 mg/kg bw

Note: RA L3 – Read Across Octamethyltrisiloxane  
RA L4 – Read Across Decamethyltetrasiloxane

**Skin Corrosion/Irritation:**

<i>Glycerin:</i>	Not Irritating (Rabbit)
<i>Dodecamethylpentasiloxane:</i>	Not Irritating (Rabbit, OECD 404)
<i>Niacinamide:</i>	Irritating (Rabbit, OECD 404)
<i>Caffeine:</i>	Not Irritating (50% Solution) (Rabbit, OECD 404)
<i>Dimethicone/PEG-10/15 Crosspolymer:</i>	Slightly Irritating (Rabbit)

**Serious Eye Damage/Irritation:**

<i>Glycerin:</i>	Not Irritating (Rabbit)
<i>Dodecamethylpentasiloxane:</i>	Slightly Irritating (Rabbit, EPA OPPTS 870.2400) – RA L4
<i>Niacinamide:</i>	Irritating (Rabbit, OECD 405)
<i>Caffeine:</i>	Not Irritating (Rabbit, OECD 405)
<i>Dimethicone/PEG-10/15 Crosspolymer:</i>	Irritating (Rabbit)

**Respiratory Irritation:**

No Data

**Skin Sensitization:**

<i>Glycerin:</i>	Not Sensitizing (Guinea Pig)
<i>Dodecamethylpentasiloxane:</i>	Not Sensitizing (Guinea Pig, OECD 406) – RA L3
<i>Niacinamide:</i>	Not Sensitizing (Guinea Pig, OECD 406)
<i>Caffeine:</i>	Not Sensitizing (Mouse, OECD 429)
<i>Dimethicone/PEG-10/15 Crosspolymer:</i>	Not Sensitizing (Guinea Pig, OECD 406)

**CHRONIC HEALTH HAZARDS:**

**REPEAT DOSE TOXICITY:**

NOAEL (Glycerin, oral): 8,000 mg/kg bw/d (2yr) (Rat)  
 NOAEL (Glycerin, inhalation): 167 mg/m<sup>3</sup> air (90d) (Rat, OECD 413 eq.)  
 NOAEL (Dodecamethylpentasiloxane, oral): ≥1,000 mg/kg bw/d (28d) (Rat, OECD 407 eq.)  
 NOAEL (Niacinamide, oral): 215 mg/kg bw/d (28d) (Rat, OECD 407)  
 NOAEL (Caffeine, oral): 151 – 174.2 mg/kg bw/d (90d) (Rat)

**CARCINOGENICITY:**

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
Caffeine (58-08-2)	--	--	--	IARC-3

**Notes:** IARC-3 – This reference indicates that the material is “Unclassifiable as to Carcinogenicity in Humans”

**MUTAGENICITY:**

<i>Glycerin:</i>	A variety of <i>in vitro</i> tests have produced negative results.
<i>Dodecamethylpentasiloxane:</i>	A variety of <i>in vitro</i> tests have produced negative results. – RA L4
<i>Niacinamide:</i>	A variety of <i>in vitro</i> tests have produced negative results.
<i>Caffeine:</i>	A variety of <i>in vitro</i> and <i>in vivo</i> tests have produced negative results.
<i>Dimethicone/PEG-10/15 Crosspolymer:</i>	A variety of <i>in vitro</i> tests have produced negative results.

**REPRODUCTIVE TOXICITY:**

<i>Glycerin:</i>	NOAEL: 2,000 mg/kg/day (Rat) – No effects on fertility
<i>Dodecamethylpentasiloxane:</i>	NOAEC: ≥ 400 ppm (Rat, OECD 422) – No effects on reproduction – RA L4
<i>Caffeine:</i>	NOAEL: 22 mg/kg bw/d (Mouse)

**DEVELOPMENTAL TOXICITY/TERATOGENICITY:**

<i>Glycerin:</i>	NOAEL: 1,310 mg/kg/day (Rat) – No effects on development
<i>Dodecamethylpentasiloxane:</i>	NOAEC: ≥ 400 ppm (Rat, OECD 422) – No effects on development – RA L4
<i>Niacinamide:</i>	NOEL: 50 mg/kg bw/d (Rabbit, OECD 414) – No effects on development
<i>Caffeine:</i>	NOAEL: 40 mg/kg bw/d (Rat, OECD 414 eq.)

**SECTION 12: ECOLOGICAL INFORMATION**

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
Glycerin	LC <sub>50</sub>	54,000 mg/L	Oncorhynchus mykiss	96 h
Dodecamethylpentasiloxane	LC <sub>50</sub> (OECD 203)	> 75 ng/L	Oncorhynchus mykiss	96 h
Niacinamide	LC <sub>50</sub> (OECD 203)	> 1,000 mg/L	Poecilia reticulata	96h
Caffeine	LC <sub>50</sub> (DIN 38412, Pt 15)	87 mg/L	Leuciscus idus	96 h

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Glycerin	LC <sub>50</sub>	54,000 mg/L	Oncorhynchus mykiss	96 h
Niacinamide	EC <sub>50</sub> (OECD 202)	> 1,000 mg/L	Daphnia magna	24h
Caffeine	EC <sub>50</sub> (DIN 38412, Pt 11)	182 mg/L	Daphnia magna	48 h

**TOXICITY TO AQUATIC PLANTS**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Glycerin	EC <sub>3</sub>	> 10,000 mg/L	Scenedesmus quadricauda	8 d
Dodecamethylpentasiloxane RA – L4	EC <sub>50</sub> (OECD 201)	> 2.2 µg/L	Pseudokirchneriella subcapitata	72 h
Niacinamide	IC <sub>50</sub> (OECD 201)	> 1,000 mg/L	Desmodesmus subspicatus	72h
Caffeine	EC <sub>50</sub> (OECD 201)	> 100 mg/L	Desmodesmus subspicatus	72 h

**TOXICITY TO MICROORGANISMS**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Glycerin	NOEC	> 10,000 mg/L	Pseudomonas putida	16 h
Dodecamethylpentasiloxane RA – L4	EC <sub>50</sub> (OECD 201)	> 2.2 µg/L	Pseudokirchneriella subcapitata	72 h
Niacinamide	EC <sub>10</sub> (OECD 209 eq)	4,235 mg/L	Pseudomonas putida	18h
Caffeine	EC <sub>50</sub> (OECD 209)	413 mg/L	Activated sludge	3 h

**PERSISTENCY AND DEGRADABILITY:**

Glycerin: Readily Biodegradable – 92% (30d) – OECD 301  
Dodecamethylpentasiloxane: Not Readily Biodegradable – OECD 310 – 0% (28d) – RA L3  
Niacinamide: Readily Biodegradable – 96% (28d) – OECD 301 E  
Caffeine: Readily Biodegradable – 90 – 100% (22d) – OECD 301 A

**BIOACCUMULATIVE POTENTIAL:**

Glycerin: log Pow: -1.76; BCF: 3.162 – Not expected to bioaccumulate  
Dodecamethylpentasiloxane: BCF: 1,240 – 1,430 (OECD 305) – Potential to bioaccumulate  
Niacinamide: log Pow: -0.38; BCF: 3.162 - Not expected to bioaccumulate.  
Caffeine: log Pow: -0.091 – 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 plastic/lined drums for bulk liquids.

**WASTE DISPOSAL METHOD:** This product is not considered a federal RCRA hazardous wastes when intended for disposal. Controlled incineration at a licensed waste facility is the recommended technology for treatment and disposal. This material must not be disposed through sewage.

**RCRA HAZARD CLASS:** Not Regulated

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: 0 Fire: 1 Reactivity: 0 Other: None

**Workplace Hazardous Materials Identification System:** None

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: Datta Dixit (Corporate Regulatory Services)