

SAFETY DATA SHEET

ISSUANCE DATE: February 18, 2016

SDS # 00-32-006-0

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

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

Emergency Telephone Number:

1-800-535-5053 (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 Full Factor 09

Recommendations on use: Personal care product applied to the hair for cosmetic effect.

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

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: WARNING

| Symbol | Classification | Hazard Statement | Prevention Statements |
|--|-------------------------------|----------------------------------|--|
|  | Eye Irritation Category 2A | Causes serious eye irritation | <ul style="list-style-type: none"> Wash hands thoroughly after handling. Wear eye protection appropriate for the manufacturing operation being performed (goggles or face shield). |

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

INGREDIENT:

Aminomethyl Propanol
Caprylyl Glycol

CAS NO.

124-68-5
1117-86-8

% WT

≤ 1.5%
≤ 1.0%

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:** 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: Causes serious eye irritation.

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

SECTION 5: FIRE-FIGHTING MEASURES

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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 ³ | ppm | mg/m ³ |
| No OEVs have been established for noted constituents. | ACGIH TLV | -- | -- | -- | -- |
| | OSHA PEL | -- | -- | -- | -- |
| | NIOSH REL | -- | -- | -- | -- |

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|-----------------|--------------------------------|
| APPEARANCE: | Gel – Opaque | | |
| ODOR: | Not Available | | |
| ODOR THRESHOLD: | Not Available | | |
| pH: | 7.0 – 7.5 | | |
| MELTING/FREEZING POINT: | F: Not Available C: Not Available | | |
| BOILING POINT: | F: Not Available C: Not Available | | |
| FLASH POINT: | F: > 212 | C: > 100 | METHOD USED: Closed cup |
| EVAPORATION RATE: | Not Available (Butyl acetate = 1) | | |
| FLAMMABILITY: | Not Applicable to Liquids | | |
| FLAMMABLE LIMITS IN AIR: | Not Applicable | | |
| VAPOR PRESSURE (mmHg): | @ F: Not Available @ C: Not Available | | |
| VAPOR DENSITY (AIR = 1): | @ F: Not Available @ C: Not Available | | |
| RELATIVE DENSITY (H₂O = 1): | ≥ 1.00 | | |
| SOLUBILITY IN WATER: | Not Available | | |
| PARTITION COEFFICIENT: | Not Available | | |
| AUTOIGNITION TEMPERATURE: | Not Available | | |
| DECOMPOSITION TEMPERATURE: | Not Available | | |
| VISCOSITY: | 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: Causes serious eye irritation.

RESPIRATORY/SKIN SENSITIZATION: None expected

INGESTION: Harmful if swallowed

INHALATION: None expected

ROUTES OF EXPOSURE: Inhalation, eyes, skin, ingestion

SYMPTOMS: Causes serious eye irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

ACUTE TOXICOLOGY DATA FOR COMPONENTS

| Material | Route | Species | Test Results |
|----------------------|-------------------------|-------------------|------------------|
| Aminomethyl Propanol | Oral LD ₅₀ | Rat (OECD 401) | 2,900 mg/kg bw |
| Aminomethyl Propanol | Dermal LD ₅₀ | Rabbit (OECD 402) | > 2,000 mg/kg bw |
| Caprylyl Glycol | Oral LD ₅₀ | Rat (OECD 401) | > 2,000 mg/kg bw |

Skin Corrosion/Irritation:

Aminomethyl Propanol: Irritating (Rabbit, Draize Test)

Caprylyl Glycol: Not Irritating (Rabbit, OECD 404)

Serious Eye Damage/Irritation:

Aminomethyl Propanol: Corrosive (Rabbit, Draize Test)

Caprylyl Glycol: Irritating (Rabbit, OECD 405)

Respiratory Irritation:

Aminomethyl Propanol: Vapor may cause irritation

Skin Sensitization:

Aminomethyl Propanol: Not Sensitizing (Guinea Pig, OECD 406)

Caprylyl Glycol: Not Sensitizing (Guinea Pig, OECD 406)

CHRONIC HEALTH HAZARDS:

REPEAT DOSE TOXICITY:

NOAEL (Aminomethyl Propanol, oral): (>110 ppm); Dog 1yr, (OECD 452)

NOAEL (Caprylyl Glycol, oral): 300 mg/kg bw/d (28d) (Rat, OECD 407)

CARCINOGENICITY:

| Component Name (CAS-No.) | OSHA | ACGIH | NTP | IARC |
|--------------------------|------|-------|-----|------|
| None established | -- | -- | -- | -- |

MUTAGENICITY:

Aminomethyl Propanol: A variety of *in vitro* and *in vivo* tests have produced negative results.

Caprylyl Glycol: A variety of *in vitro* tests have produced negative results.

REPRODUCTIVE TOXICITY:

Aminomethyl Propanol: NOEL: 100 mg/kg bw/day (Rat, OECD 421)

DEVELOPMENTAL TOXICITY/TERATOGENICITY:

Aminomethyl Propanol: NOEL: 300 mg/kg bw/day (Rat, OECD 414)

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 |
|----------------------|-----------------------------|---------------|---------------------|----------|
| Aminomethyl Propanol | LC ₅₀ | 190 mg/L | Lepomis macrochirus | 96 h |
| Caprylyl Glycol | LC ₅₀ (OECD 203) | 2.2 – 22 mg/L | Danio rerio | 96 h |

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

| INGREDIENT NAME | TEST | RESULT | SPECIES | EXPOSURE |
|----------------------|-----------------------------|----------|---------------|----------|
| Aminomethyl Propanol | EC ₅₀ | 193 mg/L | Daphnia magna | 48 h |
| Caprylyl Glycol | EC ₅₀ (OECD 202) | 176 mg/L | Daphnia magna | 48 h |

TOXICITY TO AQUATIC PLANTS

| INGREDIENT NAME | TEST | RESULT | SPECIES | EXPOSURE |
|----------------------|-----------------------------|----------|---------------------------------|----------|
| Aminomethyl Propanol | EC ₅₀ (OECD 201) | 520 mg/L | Scenedesmus subspicatus | 72 h |
| Caprylyl Glycol | EC ₅₀ (OECD 201) | 35 mg/L | Pseudokirchneriella subcapitata | 72 h |

TOXICITY TO MICROORGANISMS

| INGREDIENT NAME | TEST | RESULT | SPECIES | EXPOSURE |
|----------------------|---------------------------------|--------------|--------------------|----------|
| Aminomethyl Propanol | EC ₅₀ (OECD 209) | 342.9 mg/L | Activated sludge | 3 h |
| Caprylyl Glycol | EC ₅₀ (OECD 209 eq.) | > 1,000 mg/L | Pseudomonas putida | 30 min |

PERSISTENCY AND DEGRADABILITY:

Aminomethyl Propanol: Not Readily Biodegradable – OECD 301 D - 40% (28d)

Caprylyl Glycol: Readily Biodegradable – OECD 301 F - 85% (28d)

BIOACCUMULATIVE POTENTIAL:

Aminomethyl Propanol: log Pow: -0.63: <1 Fish (OECD 107 BCF) – Low potential for bioaccumulation

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

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.

SECTION 15: REGULATORY INFORMATION

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

Workplace Hazardous Materials Identification System: Class D; Division 2, Subdivision B; Eye Irritation

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

SECTION 16: OTHER INFORMATION

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

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