

**1. Identification**

**Product identifier** REDKEN PRESCRIPTION BACK BAR PROTEIN AMINO CONCENTRATE

**Other means of identification**

**SDS number** 00-12-0000805

**Recommended use** Personal care product used for cosmetic effect.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**US Address:** L'Oreal USA Products, Inc  
133 Terminal Avenue  
Clark, NJ 07066  
USA

**Canadian Address:** L'Oreal Canada  
4895 rue Hickmore  
Ville St-Laurent, H4T 1K5  
Canada

**Emergency Phone # :** 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 # :** 412-390-3326

**2. Hazard(s) identification**

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 1  
Specific target organ toxicity, repeated exposure Category 2

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

**Precautionary statement**

**Prevention** Do not breathe mist/vapors. Wear eye protection/face protection.

**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

Supplemental information None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
BEHENTRIMONIUM CHLORIDE		68607-24-9	4.74
AMODIMETHICONE		68554-54-1	2.28
ARGININE		74-79-3	2
GLYCERIN		56-81-5	1.7
POLYQUATERNIUM-37		26161-33-1	1.25
ISOPROPYL ALCOHOL		67-63-0	1.08

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling** Do not breathe mist/vapors. Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
ISOPROPYL ALCOHOL (CAS 67-63-0)	PEL	980 mg/m <sup>3</sup>	
		400 ppm	

#### US. ACGIH Threshold Limit Values

Components	Type	Value
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>
		500 ppm
	TWA	980 mg/m <sup>3</sup> 400 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
ISOPROPYL ALCOHOL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.

#### Skin protection

**Hand protection** Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

**Other** Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Form	Cream.
Color	White.

**Odor** Characteristic.

**Odor threshold** Not available.

**pH** 3.5 - 4.5

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** > 212 °F (> 100 °C)

**Flash point** > 212.0 °F (> 100.0 °C)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Density**  $\geq 0.98 \text{ g/cm}^3$

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Causes serious eye damage.

**Ingestion** Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Information on toxicological effects**

**Acute toxicity** Not known.

Product	Species	Test Results
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REDKEN PRESCRIPTION BACK BAR PROTEIN AMINO CONCENTRATE

**Acute**

**Dermal**

ATEmix		100100 mg/kg
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**Oral**

ATEmix		43460 mg/kg
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Components	Species	Test Results
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AMODIMETHICONE (CAS 68554-54-1)

**Acute**

**Dermal**

LD50	Rabbit	> 2000 mg/kg
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**Oral**

LD50	Rat	> 8000 mg/kg
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ARGININE (CAS 74-79-3)

**Acute**

**Oral**

LD50	Rat	3792 mg/kg
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BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)

**Acute**

**Oral**

LD50	Rat	3190 mg/kg OECD 401
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GLYCERIN (CAS 56-81-5)

**Acute**

**Dermal**

LD50	Rabbit	> 18700 mg/kg bw
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**Inhalation**

LC50	Rat	> 570 mg/L air, 1 h
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**Oral**

LD50	Rat	27200 mg/kg bw
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ISOPROPYL ALCOHOL (CAS 67-63-0)

**Acute**

**Dermal**

LD50	Rabbit	16.4 ml/kg bw OECD 402
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**Inhalation**

Vapor LC50	Rat	> 10000 ppm, 6 Hours OECD 403
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**Oral**

LD50	Rat	5840 mg/kg bw OECD 401
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POLYQUATERNIUM-37 (CAS 26161-33-1)

**Acute**

**Oral**

LD50	Rat	> 2000 mg/kg bw
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**Skin corrosion/irritation** Due to partial or complete lack of data the classification is not possible. No adverse effects due to skin contact are expected.

**Irritation Corrosion - Skin**

BEHENTRIMONIUM CHLORIDE

OECD 405

Result: Irritating  
Species: Rabbit

AMODIMETHICONE

Result: Irritating  
Species: Rabbit

POLYQUATERNIUM-37

Result: Not Irritating

GLYCERIN

Result: Not Irritating

ISOPROPYL ALCOHOL

Species: Rabbit

Result: Not Irritating

Species: Rabbit

**Serious eye damage/eye irritation** Causes serious eye damage.**Irritation Corrosion - Eye**

BEHENTRIMONIUM CHLORIDE

OECD 404

Result: Corrosive  
Species: Rabbit

ISOPROPYL ALCOHOL

OECD 405

Result: Severely Irritating  
Species: Rabbit

AMODIMETHICONE

Result: Irritating  
Species: Rabbit

POLYQUATERNIUM-37

Result: Not Irritating

GLYCERIN

Result: Not Irritating

Species: Rabbit

**Respiratory or skin sensitization****Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.**Skin sensitization** Due to partial or complete lack of data the classification is not possible.**Skin sensitization**

GLYCERIN

167 mg/m<sup>3</sup> air OECD 413, Inhalation

Result: NOAEL

Species: Rat

Test Duration: 90 d

BEHENTRIMONIUM CHLORIDE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

ISOPROPYL ALCOHOL

OECD 406

Result: Not Sensitizing

Species: Guinea pig

AMODIMETHICONE

Result: Not Sensitizing

Species: Guinea pig

GLYCERIN

Result: Not Sensitizing

Species: Guinea pig

**Germ cell mutagenicity** Due to partial or complete lack of data the classification is not possible.**Mutagenicity**

GLYCERIN

Result: In vitro and in vivo tests did not show mutagenic effects.

ISOPROPYL ALCOHOL

Result: In vitro and in vivo tests did not show mutagenic effects.

AMODIMETHICONE

Result: In vitro tests did not show mutagenic effects

BEHENTRIMONIUM CHLORIDE

Result: In vitro tests did not show mutagenic effects

**Carcinogenicity** Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** Due to partial or complete lack of data the classification is not possible.

**Developmental effects**

GLYCERIN

1310 mg/kg bw/d, No effects on development

Result: NOAEL

Species: Rat

ISOPROPYL ALCOHOL

400 mg/kg bw/d OECD 414, No effects on development

Result: NOAEL

Species: Rabbit

**Reproductivity**

ISOPROPYL ALCOHOL

1000 mg/kg bw/d OECD 416, No effects on fertility

Result: NOAEL

Species: Rat

GLYCERIN

2000 mg/kg bw/d, No effects on fertility

Result: NOAEL

Species: Rat

BEHENTRIMONIUM CHLORIDE

75 mg/kg bw/d OECD 421

Result: NOAEL

Species: Rat

**Specific target organ toxicity - single exposure**

Due to partial or complete lack of data the classification is not possible.

**Specific target organ toxicity - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

BEHENTRIMONIUM CHLORIDE

10 mg/kg bw/d OECD 407, Oral

Result: NOAEL

Species: Rat

Test Duration: 28 d

ISOPROPYL ALCOHOL

5000 ppm OECD 413, Inhalation

Result: NOALE

Species: Rat

Test Duration: 90 d

GLYCERIN

8000 mg/kg bw/d, Oral

Result: NOAEL

Species: Rat

Test Duration: 2 yr

**Aspiration hazard**

Due to partial or complete lack of data the classification is not possible.

**Chronic effects**

May cause damage to organs through prolonged or repeated exposure.

**Further information**

The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

**12. Ecological information****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
<b>AMODIMETHICONE (CAS 68554-54-1)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna
		11 mg/l, 48 h OECD 202
<b>BEHENTRIMONIUM CHLORIDE (CAS 68607-24-9)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Desmodesmus subspicatus
		3.48 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna
		1.39 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio
		0.5 - 1 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage
		43 mg/l, 3 h OECD 209
<i>Chronic</i>		
Crustacea	NOEC	Daphnia magna
		0.128 mg/l, 21 d OECD 211
Fish	NOEC	Danio rerio
		0.24 mg/l, 9 d OECD 212

Components	Species		Test Results
<b>GLYCERIN (CAS 56-81-5)</b>			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC0	Scenedesmus quadricauda	> 10000 mg/l, 192 h
Crustacea	EC50	Daphnia magna	1955 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	54000 mg/l, 96 h
Other	NOEC	Pseudomonas putida	> 10000 mg/l, 16 h
<b>ISOPROPYL ALCOHOL (CAS 67-63-0)</b>			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Scenedesmus quadricauda	> 1000 mg/l, 72 h
Crustacea	EC50	Daphnia magna	9714 mg/l, 24 h OECD 202
Fish	LC50	Pimephales promelas	9640 mg/l, 96 h OECD 203
Other	TD	Pseudomonas putida	1050 mg/l, 16 DIN 38412, Pt. 8
<b>POLYQUATERNIUM-37 (CAS 26161-33-1)</b>			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	1 - 10 mg/l
Other	EC0	Activated sludge of a predominantly domestic sewage	10 - 100 mg/l

#### Persistence and degradability

##### Biodegradability

##### Percent degradation (Aerobic biodegradation)

AMODIMETHICONE	Result: Not Readily Biodegradable
BEHENTRIMONIUM CHLORIDE	80 % OECD 301 Result: Readily Biodegradable Test Duration: 28 d
GLYCERIN	OECD 301 Result: Readily Biodegradable
ISOPROPYL ALCOHOL	95 % OECD 301 E Result: Readily Biodegradable Test Duration: 21 d
POLYQUATERNIUM-37	Result: Not Readily Biodegradable

##### Bioaccumulative potential

##### Partition coefficient n-octanol / water (log Kow)

ARGININE	-4.2
GLYCERIN	-1.76
ISOPROPYL ALCOHOL	0.05

##### Bioaccumulation

ISOPROPYL ALCOHOL	Result: Bioaccumulation is unlikely.
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##### Mobility in soil

No data available.

##### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

##### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

##### Local disposal regulations

Dispose in accordance with all applicable regulations.

##### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

##### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**DOT****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

Not regulated as dangerous goods.

**IATA****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

Not regulated as dangerous goods.

**IMDG****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

Not regulated as dangerous goods.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ISOPROPYL ALCOHOL (CAS 67-63-0) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No (Exempt)**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
ISOPROPYL ALCOHOL	67-63-0	1.08

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

GLYCERIN (CAS 56-81-5) Other Flavoring Substances with OSHA PEL's  
 ISOPROPYL ALCOHOL (CAS 67-63-0) Low priority

**16. Other information, including date of preparation or last revision**

**Issue date** 09-09-2020  
**Version #** 01  
**NFPA ratings** Health: 3  
 Flammability: 1  
 Instability: 0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.