

## SAFETY DATA SHEET

## 1. Identification

**Product identifier** BIOLAGE ULTRA HYDRATING SHAMPOO

**Other means of identification**

**SDS number** 00-11-0000478

**Recommended use** Not available.

**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 2A

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Causes serious eye irritation.

**Precautionary statement**

**Prevention** Wash thoroughly after handling. 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. If eye irritation persists: Get medical advice/attention.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

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

**Supplemental information** 9.94% of the mixture consists of component(s) of unknown acute inhalation toxicity.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
SODIUM LAURETH SULFATE		3088-31-1	8.14
COCO-BETAINE		68424-94-2	1.8

\*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. If eye irritation persists: Get medical advice/attention.
<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.
<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>	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 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

<b>Precautions for safe handling</b>	Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	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

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
--------------------------------	--

<b>Appropriate engineering controls</b>	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.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Applicable for industrial settings only. Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Applicable for industrial settings only. Wear appropriate chemical resistant gloves.
<b>Other</b>	Applicable for industrial settings only. Wear suitable protective clothing.
<b>Respiratory protection</b>	Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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

<b>Physical state</b>	Liquid.
<b>Color</b>	Off-white.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	5.3
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	> 212 °F (> 100 °C)
<b>Flash point</b>	> 212.0 °F (> 100.0 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.

### Upper/lower flammability or explosive limits

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.

<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.

### Solubility(ies)

<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

<b>Density</b>	>= 1.02
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

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

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	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.

### Information on toxicological effects

**Acute toxicity** Not known.

Product	Species	Test Results
---------	---------	--------------

BIOLAGE ULTRA HYDRATING SHAMPOO

#### Acute

##### **Oral**

ATEmix

5752 mg/kg

#### **Components**

#### **Species**

#### **Test Results**

COCO-BETAINE (CAS 68424-94-2)

#### Acute

##### **Dermal**

LC50

Rat

> 620 mg/kg OECD 402

##### **Oral**

LD50

Mouse

2640 mg/kg OECD 401

SODIUM LAURETH SULFATE (CAS 3088-31-1)

#### Acute

##### **Dermal**

LD50

Rat

> 2000 mg/kg OECD 402

##### **Oral**

LD50

Rat

2870 mg/kg OECD 401

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

#### **Irritation Corrosion - Skin**

COCO-BETAINE

OECD 404  
Result: Irritating  
Species: Rabbit

SODIUM LAURETH SULFATE

OECD 404  
Result: Irritating  
Species: Rabbit

**Serious eye damage/eye irritation** Causes serious eye irritation.

#### **Irritation Corrosion - Eye**

SODIUM LAURETH SULFATE

OECD 405, (≥ 10%)  
Result: Serious eye damage  
Species: Rabbit

COCO-BETAINE

OECD 405, > 16%  
Result: Corrosive  
Species: Rabbit

**Irritation Corrosion - Eye**

COCO-BETAINE

OECD 405, ≤ 16%

Result: Irritating

Species: Rabbit

**Respiratory or skin sensitization****Respiratory sensitization** Not a respiratory sensitizer.**Skin sensitization** This product is not expected to cause skin sensitization.**Skin sensitization**

COCO-BETAINE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

SODIUM LAURETH SULFATE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.**Mutagenicity**

SODIUM LAURETH SULFATE

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

COCO-BETAINE

Result: In vitro tests did not show mutagenic effects

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.**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** This product is not expected to cause reproductive or developmental effects.**Developmental effects**

SODIUM LAURETH SULFATE

1000 mg/kg bw/d OECD 414

Result: NOAEL

Species: Rat

COCO-BETAINE

1000 mg/kg bw/d OECD 414

Result: NOEL

Species: Rat

**Reproductivity**

COCO-BETAINE

150 mg/kg bw/d OECD 422

Result: NOEL

Species: Rat

SODIUM LAURETH SULFATE

300 mg/kg bw/d OECD 416

Result: NOAEL

Species: Rat

**Specific target organ toxicity - single exposure** Not classified.**Specific target organ toxicity - repeated exposure** Not classified.

COCO-BETAINE

≥ 145 mg/kg bw/d OECD 408

Result: NOAEL

Species: Rat

Test Duration: 90 d

SODIUM LAURETH SULFATE

≥ 225 mg/kg bw/d OECD 408

Result: NOAEL

Species: Rat

Test Duration: 90 d

**Aspiration hazard** Not an aspiration hazard.**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>COCO-BETAINE (CAS 68424-94-2)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Pseudokirchneriella subcapitata 1.7 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna 7.76 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio 4.44 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage > 2000 mg/l, 16 h DIN 38412, Pt. 8S
<i>Chronic</i>		
Algae	NOEC	Pseudokirchneriella subcapitata 0.38 mg/l, 72 h OECD 201
Crustacea	NOEC	Daphnia magna 2.99 mg/l, 21 d OECD 211
<b>SODIUM LAURETH SULFATE (CAS 3088-31-1)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Desmodesmus subspicatus 27 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna 7.2 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio 7.1 mg/l, 96 h OECD 203
Other	EC50	Pseudomonas putida > 10000 mg/l, 16 h DIN 38412 - 8
<i>Chronic</i>		
Crustacea	NOEC	Daphnia magna 0.27 mg/l, 21 d OECD 211
Fish	NOEC	Oncorhynchus mykiss 0.14 mg/l, 28 d OECD 204

#### Persistence and degradability

##### Biodegradability

##### Percent degradation (Aerobic biodegradation)

COCO-BETAINE

79 % OECD 301 B  
Result: Readily Biodegradable  
Test Duration: 28 d

SODIUM LAURETH SULFATE

100 % EU C.4-A  
Result: Readily Biodegradable  
Test Duration: 28 d

#### Bioaccumulative potential

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

COCO-BETAINE

-0.4 EU A.8

SODIUM LAURETH SULFATE

0.3 OECD 123

#### 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.

Read safety instructions, SDS and emergency procedures before handling.

**IATA****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

Not regulated as dangerous goods.

Read safety instructions, SDS and emergency procedures before handling.

**IMDG****FINISHED GOODS**

Not regulated as dangerous goods.

**BULK**

Not regulated as dangerous goods.

Read safety instructions, SDS and emergency procedures before handling.

**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)**

Not 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)**

Not regulated.

**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.

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

**Issue date** 11-01-2019

**Version #** 01

**NFPA ratings** Health: 2  
Flammability: 0  
Instability: 0

**Disclaimer**

Biolage cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.