

SAFETY DATA SHEET

1. Identification

Product identifier BIOLAGE GREEN RECOVERY SHAMPOO

Other means of identification

SDS number 00-11-0000871

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 Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Reproductive toxicity Category 2

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Causes skin irritation. Causes serious eye damage. Suspected of damaging fertility or the unborn child.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response If on skin: Wash with plenty of water. 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. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage Store locked up.

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	%
SODIUM LAURETH SULFATE		68891-38-3	12.18
COCO-BETAINE		68424-94-2	1.91
SALICYLIC ACID		69-72-7	0.2

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

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	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.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. 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. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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.
Methods and materials for containment and cleaning up	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.
Environmental precautions	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	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. 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

Biological limit values	No biological exposure limits noted for the ingredient(s).
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 and safety shower.
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	Observe any medical surveillance requirements. 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.
Color	White.
Odor	Characteristic.
Odor threshold	Not available.
pH	5 - 5.6
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Flash point	> 212.0 °F (> 100.0 °C) Closed Cup
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	
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	No adverse effects due to inhalation are expected.
Skin contact	Causes skin irritation.
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. Skin irritation. May cause redness and pain.
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Information on toxicological effects

Acute toxicity	Not known.
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Product	Species	Test Results
BIOLAGE GREEN RECOVERY SHAMPOO		
<u>Acute</u>		
Oral		
ATEmix		67230 mg/kg
Components	Species	Test Results
COCO-BETAINE (CAS 68424-94-2)		
<u>Acute</u>		
Dermal		
LC50	Rat	> 620 mg/kg OECD 402
Oral		
LD50	Mouse	2640 mg/kg OECD 401
SALICYLIC ACID (CAS 69-72-7)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Oral		
LD50	Rat	891 mg/kg OECD 401
SODIUM LAURETH SULFATE (CAS 68891-38-3)		
<u>Acute</u>		
Dermal		
LD50		> 2000 mg/kg OECD 402

Components	Species	Test Results
Oral LD50		2870 mg/kg OECD 401
Skin corrosion/irritation	Causes skin irritation.	
Irritation Corrosion - Skin		
COCO-BETAINE		OECD 404 Result: Irritating Species: Rabbit
SODIUM LAURETH SULFATE		OECD 404 Result: Irritating Species: Rabbit
SALICYLIC ACID		OECD 404 Result: Not Irritating Species: Rabbit
Serious eye damage/eye irritation	Causes serious eye damage.	
Irritation Corrosion - Eye		
SODIUM LAURETH SULFATE		OECD 405, (≥ 10%) Result: Serious eye damage Species: Rabbit OECD 405, (≥5% - <10%) Result: Irritating Species: Rabbit
COCO-BETAINE		OECD 405, > 16% Result: Corrosive Species: Rabbit OECD 405, ≤ 16% Result: Irritating Species: Rabbit
SALICYLIC ACID		Result: Severely 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
SALICYLIC ACID		OECD 429 Result: Not Sensitizing Species: Mouse
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	Suspected of damaging fertility or the unborn child.	

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

SALICYLIC ACID

75 mg/kg bw/d OECD 414

Result: NOAEL

Species: Rat

Reproductivity

COCO-BETAINE

150 mg/kg bw/d OECD 422

Result: NOEL

Species: Rat

SALICYLIC ACID

250 mg/kg bw/d OECD 416, Based on test data for structurally similar materials.

Result: NOAEL

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

SALICYLIC ACID

700 mg/m3 air OECD 412, Based on test data for structurally similar materials.

Result: NOEC

Species: Rat

Test Duration: 28 d

Aspiration hazard Not an aspiration hazard.**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
COCO-BETAINE (CAS 68424-94-2)			
Aquatic			
Acute			
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
Chronic			
Algae	NOEC	Pseudokirchneriella subcapitata	0.38 mg/l, 72 h OECD 201
Crustacea	NOEC	Daphnia magna	2.99 mg/l, 21 d OECD 211
SALICYLIC ACID (CAS 69-72-7)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	> 100 mg/l, 72 h OECD 201

Components		Species	Test Results
Crustacea	EC50	Daphnia magna	870 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas	1370 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 3 h OECD 209
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	10 mg/l, 21 d OECD 202
SODIUM LAURETH SULFATE (CAS 68891-38-3)			
Aquatic			
<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
SALICYLIC ACID	100 % OECD 301 C 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
SALICYLIC ACID	2.26
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.

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)

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 10-07-2021

Version # 01

NFPA ratings Health: 3
Flammability: 1
Instability: 0

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