SAFETY DATA SHEET

1. Identification

Product identifier **PUREOLOGY STRENGTH SURE BEST BLONDE SHAMPOO**

Other means of identification

SDS number 00-11-0000431

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 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 None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
COCO-BETAINE		68424-94-2	4.55
DISODIUM LAURETH SULFOSUCCINATE		39354-45-5	4.5
SODIUM COCOYL ISETHIONATE		61789-32-0	3
SODIUM LAURYL SULFOACETATE		1847-58-1	1.75
SODIUM LAUROYL SARCOSINATE		137-16-6	1.5

*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 Wash off with soap and water. Get medical attention if irritation develops and persists.

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. If eye irritation persists: Get medical advice/attention.

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.

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 Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes. 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

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.

Individual protection measures, such as personal protective equipment

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles).

Skin protection

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

Other Applicable for industrial settings only. Wear suitable protective clothing.

Respiratory protection Applicable for industrial settings only. In case of insufficient ventilation, wear suitable respiratory equipment.

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.

Color Not available.

Odor Characteristic.

Odor threshold Not available.

pH 6 - 6.6

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	
Density	>= 1.02 g/cm³
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	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
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.

Information on toxicological effects

Acute toxicity Not known.

Product	Species	Test Results
PUREOLOGY STRENGTH SURE BEST BLONDE SHAMPOO		
Acute		
Dermal		
ATEmix		113900 mg/kg
Oral		
ATEmix		34220 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
DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5)		
Acute		
Dermal		
LD50	Rat	10000 mg/kg
Oral		
LD50	Rat	> 3000 mg/kg OECD 401
SODIUM COCOYL ISETHIONATE (CAS 61789-32-0)		
Acute		
Oral		
LD50	Rat	> 2000 mg/kg OECD 201

Components	Species	Test Results
SODIUM LAUROYL SARCOSINATE (CAS 137-16-6)		
Acute		
Inhalation		
Aerosol		
LC50	Rat	0.05 - 0.5 mg/l, 4 h OECD 403
Oral		
LD50	Rat	> 5000 mg/kg OECD 401
SODIUM LAURYL SULFOACETATE (CAS 1847-58-1)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	2000 - 5000 mg/kg

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

COCO-BETAINE	OECD 404 Result: Irritating Species: Rabbit
DISODIUM LAURETH SULFOSUCCINATE	OECD 404 Result: Not Irritating Species: Rabbit
SODIUM COCOYL ISETHIONATE	OECD 404 Result: Slightly Irritating Species: Rabbit
SODIUM LAUROYL SARCOSINATE	OECD 404, 30% Sol. Result: Slightly Irritating Species: Rabbit
SODIUM LAURYL SULFOACETATE	Result: Irritating Species: Rabbit

Serious eye damage/eye irritation Causes serious eye irritation.

Irritation Corrosion - Eye

SODIUM COCOYL ISETHIONATE	OECD 405 Result: Irritating Species: Rabbit
COCO-BETAINE	OECD 405, > 16% Result: Corrosive Species: Rabbit OECD 405, ≤ 16% Result: Irritating Species: Rabbit
SODIUM LAUROYL SARCOSINATE	OECD 405, 30% Sol. Result: Irritating Species: Rabbit
DISODIUM LAURETH SULFOSUCCINATE	Result: Irritating Species: Rabbit
SODIUM LAURYL SULFOACETATE	Result: 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

SODIUM LAUROYL SARCOSINATE	EU B.6 Result: Not Sensitizing Species: Guinea pig
COCO-BETAINE	OECD 406 Result: Not Sensitizing Species: Guinea pig

Skin sensitization

DISODIUM LAURETH SULFOSUCCINATE	OECD 406 Result: Not Sensitizing Species: Guinea pig
SODIUM COCOYL ISETHIONATE	OECD 406 Result: Not Sensitizing Species: Guinea pig
SODIUM LAURYL SULFOACETATE	Result: Not Sensitizing Species: Guinea pig

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

Mutagenicity

SODIUM COCOYL ISETHIONATE	Result: In vitro tests did not show mutagenic effect
COCO-BETAINE	Result: In vitro tests did not show mutagenic effects
DISODIUM LAURETH SULFOSUCCINATE	Result: In vitro tests did not show mutagenic effects
SODIUM LAUROYL SARCOSINATE	Result: In vitro tests did not show mutagenic effects
SODIUM LAURYL SULFOACETATE	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

SODIUM LAUROYL SARCOSINATE	>= 250 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
COCO-BETAINE	1000 mg/kg bw/d OECD 414 Result: NOEL Species: Rat
SODIUM COCOYL ISETHIONATE	1000 mg/kg bw/d OECD 414, Based on test data for structurally similar materials. Result: NOEL Species: Rat

Reproductivity

SODIUM COCOYL ISETHIONATE	1000 mg/kg bw/d OECD 421, Based on test data for structurally similar materials. Result: NOAEL Species: Rat
SODIUM LAURYL SULFOACETATE	1000 mg/kg bw/d OECD 422 Result: NOAEL Species: Rat
COCO-BETAINE	150 mg/kg bw/d OECD 422 Result: NOEL 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 Due to partial or complete lack of data the classification is not possible.

SODIUM COCOYL ISETHIONATE	>= 1000 mg/kg bw/d OECD 407, Oral Result: NOAEL Species: Rat Test Duration: 28 d
COCO-BETAINE	>= 145 mg/kg bw/d OECD 408 Result: NOAEL Species: Rat Test Duration: 90 d
SODIUM COCOYL ISETHIONATE	>= 2070 mg/kg bw/d OECD 410, Dermal Result: NOAEL Species: Rat Test Duration: 28 d

Specific target organ toxicity - repeated exposure

SODIUM LAUROYL SARCOSINATE	250 mg/kg bw/d OECD 408, Oral Result: NOAEL Species: Rat Test Duration: 90 d
DISODIUM LAURETH SULFOSUCCINATE	300 mg/kg/day OECD 407 Result: NOAEL Species: Rat Test Duration: 28 d
SODIUM LAURYL SULFOACETATE	75 mg/kg bw/d Result: NOAEL Species: Rat Test Duration: 90 d

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

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
DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5)			
Aquatic			
Acute			
Algae	EC50	Algae	10 - 100 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia	10 - 100 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	10 - 100 mg/l, 96 h OECD 203
SODIUM COCOYL ISETHIONATE (CAS 61789-32-0)			
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	1 - 10 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	10 - 100 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	10 - 100 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 3 h OECD 209
Chronic			
Algae	EC10	Pseudokirchneriella subcapitata	0.1 - 1 mg/l, 72 h OECD 201
SODIUM LAUROYL SARCOSINATE (CAS 137-16-6)			
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	23.7 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	8.91 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	32.1 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 3 h OECD 209

Components		Species	Test Results
SODIUM LAURYL SULFOACETATE (CAS 1847-58-1)			
Aquatic			
Acute			
Algae	EC50	Algae	6.8 mg/l, 72 h
Crustacea	EC50	Daphnia magna	7.9 - 11.6 mg/l, 48 h
Fish	LC50	Danio rerio	4.2 mg/l, 96 h

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

COCO-BETAINE	79 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d
DISODIUM LAURETH SULFOSUCCINATE	> 60 % Result: Readily Biodegradable Test Duration: 28 d
SODIUM COCOYL ISETHIONATE	78 % OECD 301 D Result: Readily Biodegradable Test Duration: 28 d
SODIUM LAUROYL SARCOSINATE	82 % ISO 14593 Result: Readily Biodegradable Test Duration: 28 d
SODIUM LAURYL SULFOACETATE	>= 60 % OECD 301 D Result: Readily Biodegradable Test Duration: 28 d

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

COCO-BETAINE	-0.4 EU A.8
SODIUM COCOYL ISETHIONATE	-0.41

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 07-30-2019

Version # 01

NFPA ratings Health: 2
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.