

1. Identification

Product identifier REDKEN HIGH RINSE VOLUME LIFTING SHAMPOO
Other means of identification
SDS number 00-11-0000453
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
OSHA defined hazards Not classified.

Label elements



Signal word Danger
Hazard statement Causes skin irritation. Causes serious eye damage.
Precautionary statement
Prevention Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.
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 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	%
SODIUM LAURETH SULFATE		3088-31-1	11.25
COCO-BETAINE		68424-94-2	3.45
SODIUM LAURYL SULFATE		85586-07-8	2.9
HEXYLENE GLYCOL		107-41-5	1.16

*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	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 (CO ₂).
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	Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
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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. ACGIH Threshold Limit Values

Components	Type	Value	Form
HEXYLENE GLYCOL (CAS 107-41-5)	STEL	10 mg/m ³	Aerosol, inhalable.
		50 ppm	Vapor fraction
	TWA	25 ppm	Vapor fraction

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
HEXYLENE GLYCOL (CAS 107-41-5)	Ceiling	125 mg/m ³
		25 ppm

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. Wear safety glasses with side shields (or goggles) and a face shield.

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.

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.

Form

Viscous 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	
Density	>= 1.02 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	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.

Information on toxicological effects

Acute toxicity Not known.

Product	Species	Test Results
REDKEN HIGH RINSE VOLUME LIFTING SHAMPOO		
<u>Acute</u>		
Oral		
ATEmix		3849 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

Components	Species	Test Results
HEXYLENE GLYCOL (CAS 107-41-5)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Inhalation		
LC50	Rat	> 60 ml/m3 air, 8 h OECD 403
Oral		
LD50	Rat	> 2000 mg/kg OECD 420
SODIUM LAURETH SULFATE (CAS 3088-31-1)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Oral		
LD50	Rat	2870 mg/kg OECD 401
SODIUM LAURYL SULFATE (CAS 85586-07-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	1800 mg/kg
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
SODIUM LAURYL SULFATE		OECD 404 Result: Irritating Species: Rabbit
HEXYLENE GLYCOL		OECD 405 Result: Slightly irritating Species: Rabbit
Serious eye damage/eye irritation	Causes serious eye damage.	
Irritation Corrosion - Eye		
HEXYLENE GLYCOL		OECD 405 Result: Slightly irritating Species: Rabbit
SODIUM LAURYL SULFATE		OECD 405, (>=20%) Result: Corrosive Species: Rabbit
SODIUM LAURETH SULFATE		OECD 405, (≥ 10%) Result: Serious eye damage Species: Rabbit
COCO-BETAINE		OECD 405, > 16% Result: Corrosive Species: Rabbit
HEXYLENE GLYCOL		OECD 405, ≤ 16% 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

COCO-BETAINE

OECD 406
Result: Not Sensitizing
Species: Guinea pig

HEXYLENE GLYCOL

OECD 406
Result: Not Sensitizing
Species: Guinea pig

SODIUM LAURETH SULFATE

OECD 406
Result: Not Sensitizing
Species: Guinea pig

SODIUM LAURYL SULFATE

OECD 406
Result: Not Sensitizing
Species: Guinea pig**Germ cell mutagenicity** Due to partial or complete lack of data the classification is not possible.**Mutagenicity**

SODIUM LAURETH SULFATE

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

SODIUM LAURYL SULFATE

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

COCO-BETAINE

Result: In vitro tests did not show mutagenic effects

HEXYLENE GLYCOL

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 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

SODIUM LAURYL SULFATE

250 mg/kg bw/d OECD 414
Result: NOAEL
Species: Rat

HEXYLENE GLYCOL

300 mg/kg bw/d OECD 414
Result: NOAEL
Species: Rat**Reproductivity**

HEXYLENE GLYCOL

1000 mg/kg bw/d OECD 421
Result: NOEL
Species: Rat

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** 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.

COCO-BETAINE

>= 145 mg/kg bw/d OECD 408
Result: NOAEL
Species: Rat
Test Duration: 90 d

Specific target organ toxicity - repeated exposure

SODIUM LAURETH SULFATE

≥ 225 mg/kg bw/d OECD 408

Result: NOAEL

Species: Rat

Test Duration: 90 d

HEXYLENE GLYCOL

450 mg/kg bw/d OECD 408, Oral

Result: NOAEL

Species: Rat

SODIUM LAURYL SULFATE

488 mg/kg bw/d OECD 408

Result: NOAEL

Species: Rat

Test Duration: 13 weeks

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			
<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
HEXYLENE GLYCOL (CAS 107-41-5)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	> 429 mg/l, 72 hours OECD 201
Crustacea	EC50	Daphnia magna	5410 mg/l, 48 hours OECD 202
Fish	LC50	Pimephales promelas	10700 mg/l, 96 hours OECD 203
Other	NOEC	Pseudomonas aeruginosa	200 mg/l, 10 days
SODIUM LAURETH SULFATE (CAS 3088-31-1)			
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
SODIUM LAURYL SULFATE (CAS 85586-07-8)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	> 20 mg/l, 72 h EU C.3
Crustacea	EC50	Daphnia magna	4.7 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	3.6 mg/l, 96 h OECD 203
Other	EC50	Pseudomonas putida	1083 mg/l, 16 h DIN 38412

Components		Species	Test Results
<i>Chronic</i>			
Algae	NOEC	Desmodesmus subspicatus	0.6 mg/l, 72 h EU C.3
Crustacea	NOEC	Daphnia magna	0.508 mg/l, 21 d
Fish	NOEC	Pimephales promelas	0.11 - 0.35 mg/l, 34 d OECD 210

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

COCO-BETAINE	79 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d
HEXYLENE GLYCOL	81 % OECD 301 F Result: Readily biodegradable Test Duration: 28 d
SODIUM LAURETH SULFATE	100 % EU C.4-A Result: Readily Biodegradable Test Duration: 28 d
SODIUM LAURYL SULFATE	75.7 % OECD 301 B 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
SODIUM LAURYL SULFATE	-2.42 OECD 107

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 08-27-2019

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.