

1. Identification

Product identifier MIZANI SCALP CARE ANTI-DANDRUFF SHAMPOO

Other means of identification

SDS number 00-16-0000025

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	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Reproductive toxicity (the unborn child)	Category 1B
	Specific target organ toxicity, repeated exposure	Category 1

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement Not available.

Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

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	12.74
SODIUM LAURYL SULFATE		85586-07-8	2.4
COCO-BETAINE		68424-94-2	2.25
GLYCERIN		56-81-5	1
ZINC PYRITHIONE		13463-41-7	1
SALICYLIC ACID		69-72-7	0.19

4. First-aid measures

Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

Suitable extinguishing media	Not available.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Not available.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Not available.

7. Handling and storage

Precautions for safe handling	Not available.
Conditions for safe storage, including any incompatibilities	Not available.

8. Exposure controls/personal protection

Occupational 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/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

Biological limit values	No biological exposure limits noted for the ingredient(s).
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Appropriate engineering controls	Not available.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Color	Not available.
Odor	Not available.
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	> 199.4 °F (> 93.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.

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 g/cm ³

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Not available.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Not available.
Incompatible materials	Not available.
Hazardous decomposition products	Not available.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.

Symptoms related to the physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity

Product	Species	Test Results
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MIZANI SCALP CARE ANTI-DANDRUFF SHAMPOO

Acute

Dermal

ATEmix 318500 mg/kg

Oral

ATEmix 13160 mg/kg

Components	Species	Test Results
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COCO-BETAINE (CAS 68424-94-2)

Acute

Dermal

LC50 Rat > 620 mg/kg OECD 402

Oral

LD50 Mouse 2640 mg/kg OECD 401

GLYCERIN (CAS 56-81-5)

Acute

Dermal

LD50 Rabbit > 18700 mg/kg bw

Inhalation

LC50 Rat > 570 mg/L air, 1 h

Oral

LD50 Rat 27200 mg/kg bw

SALICYLIC ACID (CAS 69-72-7)

Acute

Dermal

LD50 Rat > 2000 mg/kg OECD 402

Oral

LD50 Rat 891 mg/kg OECD 401

SODIUM LAURETH SULFATE (CAS 68891-38-3)

Acute

Dermal

LD50 > 2000 mg/kg OECD 402

Oral

LD50 2870 mg/kg OECD 401

SODIUM LAURYL SULFATE (CAS 85586-07-8)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Components	Species	Test Results
Oral		
LD50	Rat	1800 mg/kg
ZINC PYRITHIONE (CAS 13463-41-7)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg EPA OPP 81-2
Inhalation		
LC50	Rat	1.03 mg/l, 4 h OECD 403
Oral		
LD50	Rat	269 mg/kg OECD 401
Skin corrosion/irritation	Not available.	
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
SALICYLIC ACID		OECD 404 Result: Not Irritating Species: Rabbit
ZINC PYRITHIONE		OECD 404 Result: Not Irritating Species: Rabbit
GLYCERIN		OECD 404 Result: Not Irritating Species: Rabbit
Serious eye damage/eye irritation		
Irritation Corrosion - Eye		
ZINC PYRITHIONE		OECD 405 Result: Corrosive 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, (>5% - <10%) Result: Irritating Species: Rabbit
		OECD 405, > 16% Result: Corrosive Species: Rabbit
		OECD 405, ≤ 16% Result: Irritating Species: Rabbit
GLYCERIN		Result: Not Irritating Species: Rabbit
SALICYLIC ACID		Result: Severely Irritating Species: Rabbit
Respiratory or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	Not available.	
Sensitization		
ZINC PYRITHIONE		OECD 406 Result: Not Sensitizing Species: Guinea pig

Skin sensitization		
GLYCERIN		167 mg/m3 air OECD 413, Inhalation Result: NOAEL Species: Rat Test Duration: 90 d
COCO-BETAINE		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
SALICYLIC ACID		OECD 429 Result: Not Sensitizing Species: Mouse
GLYCERIN		Result: Not Sensitizing Species: Guinea pig
Germ cell mutagenicity	Not available.	
Mutagenicity		
GLYCERIN		Result: In vitro and in vivo tests did not show mutagenic effects.
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.
ZINC PYRITHIONE		Result: In vitro and in vivo tests did not show mutagenic effects.
COCO-BETAINE		Result: In vitro tests did not show mutagenic effects
Carcinogenicity		
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	Not available.	
Developmental effects		
ZINC PYRITHIONE		0.75 mg/kg bw/d EPA OPP 83-3 Result: NOAEL Species: Rat
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
GLYCERIN		1310 mg/kg bw/d, No effects on development Result: NOAEL Species: Rat
SODIUM LAURYL SULFATE		250 mg/kg bw/d OECD 414 Result: NOAEL 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
GLYCERIN		2000 mg/kg bw/d, No effects on fertility Result: NOAEL Species: Rat

Reproductivity
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 available.

Specific target organ toxicity - repeated exposure

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

ZINC PYRITHIONE

0.5 mg/kg bw/d OECD 453, Oral

Result: NOAEL

Species: Rat

Test Duration: 728 d

0.5 mg/m3 air EPA OPP 82-4, Inhalation

Result: NOAEL

Species: Rat

Test Duration: 90 d

100 mg/kg bw/d EPA OPP 82-3, Dermal

Result: NOAEL

Species: Rat

Test Duration: 90 d

SODIUM LAURYL SULFATE

488 mg/kg bw/d OECD 408

Result: NOAEL

Species: Rat

Test Duration: 13 weeks

SALICYLIC ACID

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

Result: NOEC

Species: Rat

Test Duration: 28 d

GLYCERIN

8000 mg/kg bw/d, Oral

Result: NOAEL

Species: Rat

Test Duration: 2 yr

Aspiration hazard Not available.

12. Ecological information

Ecotoxicity

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

Components		Species	Test Results
GLYCERIN (CAS 56-81-5)			
Aquatic			
<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
SALICYLIC ACID (CAS 69-72-7)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	> 100 mg/l, 72 h OECD 201
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
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
<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
ZINC PYRITHIONE (CAS 13463-41-7)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Skeletonema costatum	0.0012 mg/l, 120 h EPA OPP 72-2
Crustacea	EC50	Daphnia magna	0.0082 mg/l, 48 h TG 202
Fish	LC50	Pimephales promelas	0.0026 mg/l, 96 h TG 203
Other	EC50	Activated sludge of a predominantly domestic sewage	2.4 mg/l, 3 h OECD 209

Components	Species	Test Results
Chronic Crustacea	NOEC Daphnia magna	0.0082 mg/l, 21 d EPA OPP 72-4
Persistence and degradability	Not available.	
Biodegradability		
Percent degradation (Aerobic biodegradation)		
COCO-BETAINE	79 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d	
GLYCERIN	OECD 301 Result: Readily Biodegradable	
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	
SODIUM LAURYL SULFATE	75.7 % OECD 301 B Result: Readily Biodegradable Test Duration: 28 d	
ZINC PYRITHIONE	39 % OECD 301 B Result: Not Readily Biodegradable Test Duration: 28 d	
Bioaccumulative potential	Not available.	
Partition coefficient n-octanol / water (log Kow)		
COCO-BETAINE	-0.4 EU A.8	
GLYCERIN	-1.76	
SALICYLIC ACID	2.26	
SODIUM LAURETH SULFATE	0.3 OECD 123	
SODIUM LAURYL SULFATE	-2.42 OECD 107	
ZINC PYRITHIONE	0.883 OECD 107	
Mobility in soil	Not available.	
Other adverse effects	Not available.	
13. Disposal considerations		
Disposal instructions	Not available.	
Waste from residues / unused products	Not available.	
Contaminated packaging	Not available.	
14. Transport information		
DOT		
FINISHED GOODS		
Not regulated as dangerous goods.		
BULK		
UN number	UN3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC PYRITHIONE), MARINE POLLUTANT	
Class	9	
Packing group	III	
Environmental hazards		
Marine pollutant	Yes	
Transport hazard class(es)		
Label(s)	9	
Special provisions	8, 146, 335, IB3, T4, TP1, TP29	
Packaging non bulk	203	

IATA**FINISHED GOODS**

Not regulated as dangerous goods.

BULK

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC PYRITHIONE)
Class 9
Packing group III
Environmental hazards
Marine pollutant Yes
ERG Number 9L

IMDG**FINISHED GOODS**

Not regulated as dangerous goods.

BULK

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC PYRITHIONE), MARINE POLLUTANT
Class 9
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F

15. Regulatory information**US federal regulations****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)

ZINC PYRITHIONE (CAS 13463-41-7) 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.
ZINC PYRITHIONE	13463-41-7	1

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

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

Issue date 11-01-2023

Version # 01

NFPA ratings

Health: 3
Flammability: 1
Instability: 0

Disclaimer

Not available.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.