L'ORÉAL PROFESSIONNEL

SAFETY DATA SHEET

1. Identification

Product identifier L'ORÉAL PROFESSIONNEL SERIE EXPERT MARVEL SHAMPOO

Other means of identification

SDS number 00-11-0000666

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 1
Category 2

Reproductive toxicity

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement 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. Wear protective gloves/protective clothing/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. Immediately call a poison center/doctor.

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 COCOYL ISETHIONATE		61789-32-0	9
DISODIUM LAURETH SULFOSUCCINATE		39354-45-5	7.29
SODIUM LAURYL SULFOACETATE		1847-58-1	2.84
SODIUM LAUROYL SARCOSINATE		137-16-6	2.16
GLYCERIN		56-81-5	2
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 Wash off with soap and water. Get medical attention if irritation develops and persists.

Immediately flush eves with plenty of water for at least 15 minutes. Remove contact lenses, if Eve contact

present and easy to do. Continue rinsing. Get medical attention immediately.

Rinse mouth. Get medical attention if symptoms occur. Ingestion

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.

Indication of immediate medical attention and special treatment needed

General information

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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.

No unusual fire or explosion hazards noted. General fire hazards

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 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 prolonged exposure. 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

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.

OO. COLIA Table 2-1 Ellillo for All Colitallillality (25 Of IX 1510.1000)	US.	OSHA Table Z-1 Limits for Air Contaminants	(29 CFR 1910.1000)	,
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Components	Туре	Value	Form
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

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. 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
Color
Not available.

Odor
Characteristic.

Odor threshold
Not available.

pH
5 - 5.6

Melting point/freezing point Not available.

Initial boiling point and boiling > 212 °F (> 100 °C)

range

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. Not available. Explosive limit - upper (%) Not available. Vapor pressure Vapor density Not available. Relative density Not available.

Solubility(ies)

Solubility (water) Not available. **Partition coefficient** Not available.

(n-octanol/water)

Auto-ignition temperature Not available. Not available. **Decomposition temperature Viscosity** Not available.

Other information

>= 1.04 g/cm³ Density Not explosive. **Explosive properties** Oxidizing properties Not oxidizing.

10. Stability and reactivity

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

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 No adverse effects due to skin contact are expected.

Eve 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.

Information on toxicological effects

Not known. Acute toxicity

Product Test Results Species

L'ORÉAL PROFESSIONNEL SERIE EXPERT MARVEL SHAMPOO

Acute Dermal

ATEmix 60350 mg/kg

Oral

ATEmix 43310 mg/kg

Components **Species Test Results**

DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5)

Acute

Dermal

LD50 Rat 10000 mg/kg

Oral

LD50 Rat > 2000 mg/kg OECD 401 Components **Species Test Results**

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 COCOYL ISETHIONATE (CAS 61789-32-0)

Acute Oral

LD50 Rat > 2000 mg/kg OECD 201

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

DISODIUM LAURETH SULFOSUCCINATE **OECD 404**

Result: Not Irritating Species: Rabbit

SALICYLIC ACID **OECD 404**

> Result: Not Irritating Species: Rabbit

SODIUM COCOYL ISETHIONATE **OECD 404**

Result: Slightly Irritating

Species: Rabbit OECD 404, 30% Sol. SODIUM LAUROYL SARCOSINATE

Result: Slightly Irritating

Species: Rabbit Result: Irritating SODIUM LAURYL SULFOACETATE

> Species: Rabbit Result: Not Irritating Species: Rabbit

Serious eye damage/eye

GLYCERIN

Causes serious eye damage.

irritation

Irritation Corrosion - Eye

SODIUM COCOYL ISETHIONATE OECD 405

Result: Irritating Species: Rabbit

SODIUM LAUROYL SARCOSINATE OECD 405, 30% Sol.

Result: Irritating Species: Rabbit

DISODIUM LAURETH SULFOSUCCINATE Result: Corrosive

SODIUM LAURYL SULFOACETATE

Species: Rabbit Result: Irritating

Species: Rabbit
GLYCERIN Result: Not Irritating

Species: Rabbit

SALICYLIC ACID Result: Severely Irritating

Species: Rabbit

Respiratory or skin sensitization

Respiratory sensitizationDue 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

GLYCERIN 167 mg/m3 air OECD 413, Inhalation

Result: NOAEL Species: Rat

Test Duration: 90 d

SODIUM LAUROYL SARCOSINATE EU B.6

Result: Not Sensitizing Species: Guinea pig

SODIUM COCOYL ISETHIONATE OECD 406

Result: Not Sensitizing Species: Guinea pig

SALICYLIC ACID OECD 429

Result: Not Sensitizing

Species: Mouse Result: Not Sensitizing

GLYCERIN Result: Not Sensitizing Species: Guinea pig

Result: Not Sensitizing Species: Guinea pig

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

Mutagenicity

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

effects.

SODIUM COCOYL ISETHIONATE
SODIUM LAUROYL SARCOSINATE
SODIUM LAURYL SULFOACETATE
Result: In vitro tests did not show mutagenic effects
Result: In vitro tests did not show mutagenic effects
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

SODIUM LAURYL SULFOACETATE

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 LAUROYL SARCOSINATE >= 250 mg/kg bw/d OECD 414

Result: NOAEL Species: Rat

SODIUM COCOYL ISETHIONATE 1000 mg/kg bw/d OECD 414, Based on test data for

structurally similar materials.

Result: NOEL Species: Rat

GLYCERIN 1310 mg/kg bw/d, No effects on development

Result: NOAEL Species: Rat

Material name: L'ORÉAL PROFESSIONNEL SERIE EXPERT MARVEL SHAMPOO 1247046 D, 1247046 I Version #: 01 Issue date: 01-06-2021

Developmental effects

SALICYLIC ACID 75 mg/kg bw/d OECD 414

Result: NOAEL 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

GLYCERIN 2000 mg/kg bw/d, No effects on fertility

Result: NOAEL Species: Rat

SALICYLIC ACID 250 mg/kg bw/d OECD 416, Based on test data for

structurally similar materials.

Result: NOAEL Species: Rat

Specific target organ toxicity -

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

single exposure

Specific target organ toxicity - Due to partial or complete lack of data the classification is not possible.

repeated exposure

SODIUM COCOYL ISETHIONATE >= 1000 mg/kg bw/d OECD 407, Oral

Result: NOAEL Species: Rat Test Duration: 28 d

>= 2070 mg/kg bw/d OECD 410, Dermal

Result: NOAEL Species: Rat Test Duration: 28 d

SODIUM LAUROYL SARCOSINATE 250 mg/kg bw/d OECD 408, Oral

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 75 mg/kg bw/d

SODIUM LAURYL SULFOACETATE 75 mg/kg bw/d Result: NOAEL

Species: Rat
Test Duration: 90 d
8000 mg/kg bw/d, Oral
Result: NOAEL

Species: Rat Test Duration: 2 yr

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

Further informationThe reference to any animal testing for individual constituents mentioned in this document is

based on public, third-party data.

12. Ecological information

GLYCERIN

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 **Test Results** DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5) **Aquatic** Acute EC50 Algae Algae 10 - 100 mg/l, 72 h OECD 201 EC50 Daphnia Crustacea 10 - 100 mg/l, 48 h OECD 202 Fish LC50 Danio rerio 10 - 100 mg/l, 96 h OECD 203

Components		Species	Test Results	
GLYCERIN (CAS 56-81-5)				
Aquatic				
Acute	500		10000 # 1001	
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 69-7	72-7)			
Aquatic				
Acute	F050	Deamadaamus aubanisatus	> 100 mg/l 72 h OECD 201	
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	
Chronic				
Crustacea	NOEC	Daphnia magna	10 mg/l, 21 d OECD 202	
SODIUM COCOYL ISETHIC	NATE (CAS 61	1789-32-0)		
Aquatic				
<i>Acute</i> 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 SARCO	SINATE (CAS	137-16-6)		
Aquatic				
<i>Acute</i> 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	
SODIUM LAURYL SULFOA	CETATE (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	
istence and degradability				
Biodegradability				
Percent degradation (
DISODIUM FAUKETH :	ISODIUM LAURETH SULFOSUCCINATE > 60 % Result: Readily Biodegradable			
		Test Duration: 28 d	•	
GLYCERIN		OECD 301		

Pe

SALICYLIC ACID

Result: Readily Biodegradable 100 % OECD 301 C Result: Readily Biodegradable Test Duration: 28 d

Biodegradability

Percent degradation (Aerobic biodegradation)

SODIUM COCOYL ISETHIONATE 78 % OECD 301 D

Result: Readily Biodegradable

Test Duration: 28 d 82 % ISO 14593

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)

GLYCERIN -1.76
SALICYLIC ACID 2.26
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 instructionsCollect 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

No (Exempt)

chemical

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

Not regulated.

(SDWA)

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 01-06-2021

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.