

**1. Identification**

**Product identifier** GARNIER FRUCTIS PURE CLEAN FORTIFYING SHAMPOO  
**Other means of identification**  
**SDS number** 00-11-0000751  
**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.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
SODIUM LAURETH SULFATE		68891-38-3	8.4
COCO-BETAINE		68424-94-2	3
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

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	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.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	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

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Methods and materials for containment and cleaning up</b>	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 contact with eyes, skin, and clothing. 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.

#### 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/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	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 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** Colorless

**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	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
GARNIER FRUCTIS PURE CLEAN FORTIFYING SHAMPOO		
<u>Acute</u>		
<b>Dermal</b>		
ATEmix		8.333e+006 mg/kg
<b>Oral</b>		
ATEmix		56430 mg/kg
Components	Species	Test Results
COCO-BETAINE (CAS 68424-94-2)		
<u>Acute</u>		
<b>Dermal</b>		
LC50	Rat	> 620 mg/kg OECD 402

Components	Species	Test Results
<b>Oral</b> LD50	Mouse	2640 mg/kg OECD 401
GLYCERIN (CAS 56-81-5)		
<b>Acute</b> <b>Dermal</b> LD50	Rabbit	> 18700 mg/kg bw
<b>Inhalation</b> LC50	Rat	> 570 mg/L air, 1 h
<b>Oral</b> LD50	Rat	27200 mg/kg bw
SALICYLIC ACID (CAS 69-72-7)		
<b>Acute</b> <b>Dermal</b> LD50	Rat	> 2000 mg/kg OECD 402
<b>Oral</b> LD50	Rat	891 mg/kg OECD 401
SODIUM LAURETH SULFATE (CAS 68891-38-3)		
<b>Acute</b> <b>Dermal</b> LD50		> 2000 mg/kg OECD 402
<b>Oral</b> LD50		2870 mg/kg OECD 401
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Irritation Corrosion - Skin</b>		
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
GLYCERIN		Result: Not Irritating Species: Rabbit
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Irritation Corrosion - Eye</b>		
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
GLYCERIN		Result: Not Irritating Species: Rabbit
SALICYLIC ACID		Result: Severely Irritating Species: Rabbit
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Due to partial or complete lack of data the classification is not possible.	
<b>Skin sensitization</b>	Due to partial or complete lack of data the classification is not possible.	

**Skin sensitization**

GLYCERIN	167 mg/m <sup>3</sup> 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
SALICYLIC ACID	OECD 429 Result: Not Sensitizing Species: Mouse
GLYCERIN	Result: Not Sensitizing Species: Guinea pig

**Germ cell mutagenicity** Due 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 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. 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** 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
GLYCERIN	1310 mg/kg bw/d, No effects on development 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
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** 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.

**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
SALICYLIC ACID	700 mg/m <sup>3</sup> 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** Due to partial or complete lack of data the classification is not possible.

**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
<b>COCO-BETAINE (CAS 68424-94-2)</b>		
<b>Aquatic</b>		
<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
<b>GLYCERIN (CAS 56-81-5)</b>		
<b>Aquatic</b>		
<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
<b>SALICYLIC ACID (CAS 69-72-7)</b>		
<b>Aquatic</b>		
<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

Components	Species	Test Results	
SODIUM LAURETH SULFATE (CAS 68891-38-3)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Desmodemus 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
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

#### Bioaccumulative potential

##### 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

**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.

**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** 05-11-2021

**Revision date** 07-07-2021

**Version #** 02

**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.

**Revision information** Hazard(s) identification: Response  
Hazard(s) identification: GHS Signal Words  
Handling and storage: Conditions for safe storage, including any incompatibilities  
Exposure controls/personal protection: Hand protection