

1. Identification

Product identifier PUREOLOGY SMOOTH PERFECTION SHAMPOO

Other means of identification

SDS number 00-11-0000392

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 | % |
|---------------------------------|--------------------------|------------|------|
| SODIUM COCOYL ISETHIONATE | | 61789-32-0 | 7.57 |
| DISODIUM LAURETH SULFOSUCCINATE | | 39354-45-5 | 7.29 |
| SODIUM LAURYL SULFOACETATE | | 1847-58-1 | 2.84 |
| SODIUM LAUROYL SARCOSINATE | | 137-16-6 | 2.16 |

*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 | 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

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|--|---|
| 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. |
| Environmental precautions | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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 original 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 (typically 10 air changes per hour) 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 | Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. |
| Other | Wear suitable protective clothing. |
| Respiratory protection | 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 | Peach. |
| 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. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Specific gravity | 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 | $\geq 1.040 \text{ g/cm}^3$ |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |

10. Stability and reactivity

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|---|---|
| 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 | 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.

| Components | Species | Test Results |
|--|---------|-------------------------------|
| 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 |
| SODIUM LAUROYL SARCOSINATE (CAS 137-16-6) | | |
| Acute | | |
| Inhalation | | |
| <i>Aerosol</i> | | |
| 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 |

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation No adverse effects due to skin contact are expected.

Irritation Corrosion - Skin

DISODIUM LAURETH SULFOSUCCINATE

OECD 404
Result: Not Irritating
Species: Rabbit

Irritation Corrosion - Skin

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

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** Not a respiratory sensitizer.**Skin sensitization** This product is not expected to cause skin sensitization.**Skin sensitization**

SODIUM LAUROYL SARCOSINATE

EU B.6

Result: Not Sensitizing

Species: Guinea pig

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 No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.**Mutagenicity**

SODIUM COCOYL ISETHIONATE

Result: In vitro tests did not show mutagenic effect

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.**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.**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

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

Specific target organ toxicity - single exposure Not classified.**Specific target organ toxicity - repeated exposure** Not classified.

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

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 Not an aspiration hazard.**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 |
|--|---------|---|------------------------------|
| DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| 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 | | | |
| <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 |
| <i>Chronic</i> | | | |
| Algae | EC10 | Pseudokirchneriella subcapitata | 0.1 - 1 mg/l, 72 h OECD 201 |
| SODIUM LAUROYL SARCOSINATE (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 |

| Components | | Species | Test Results |
|--|------|---|---------------------------|
| 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 SULFOACETATE (CAS 1847-58-1) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| 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 |

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

| | |
|---------------------------------|--|
| 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)

| | |
|---------------------------|-------|
| 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.

Hazardous waste code Not regulated.

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.

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 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

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 05-03-2019

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.