# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **L'ORÉAL PROFESSIONNEL BLONDIFIER SHAMPOO GLOSS**

**Other means of identification**

**SDS number** 00-11-0000282

**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 2A |

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Causes skin irritation. Causes serious eye irritation.

**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. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash 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 | 8.05 |
| COCO-BETAINE | | 68424-94-2 | 4.5 |

*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 if irritation develops and persists. |
| **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. 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 (CO2). |
| **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.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>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** | Avoid contact with eyes, skin, and clothing. 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. Eye wash fountain and emergency showers are recommended. |

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Face shield is recommended. Wear safety glasses with side shields (or goggles). |
| **Skin protection** | |
| **Hand protection** | Wear appropriate chemical resistant gloves. |
| **Other** | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| **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** | Pale yellow |
| **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. |
| **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** | |
| **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** | 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** | Causes skin irritation. |
| **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. Skin irritation. May cause redness and pain. |

**Information on toxicological effects**

**Acute toxicity** Not known.

| Components | Species | Test Results |
|---|---|---|
| COCO-BETAINE (CAS 68424-94-2) | | |
| **Acute** | | |
| **Dermal** | | |
| LC50 | Rat | > 620 mg/kg OECD 402 |
| **Oral** | | |
| LD50 | Mouse | 2640 mg/kg OECD 401 |
| SODIUM LAURETH SULFATE (CAS 3088-31-1) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | | > 2000 mg/kg OECD 402 |
| **Oral** | | |
| LD50 | | 2870 mg/kg OECD 401 |
| | Rat | 1288 mg/kg |

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

**Skin corrosion/irritation** Causes skin irritation.

**Irritation Corrosion - Skin**

| | |
|---|---|
| COCO-BETAINE | OECD 404<br>Result: Irritating<br>Species: Rabbit |
| SODIUM LAURETH SULFATE | OECD 404<br>Result: Irritating<br>Species: Rabbit |

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Irritation Corrosion - Eye**

| | |
|---|---|
| SODIUM LAURETH SULFATE | OECD 405, (≥ 10%)<br>Result: Serious eye damage<br>Species: Rabbit |
| COCO-BETAINE | OECD 405, > 16%<br>Result: Corrosive<br>Species: Rabbit |

**Irritation Corrosion - Eye**

| | |
|---|---|
| COCO-BETAINE | OECD 405, ≤ 16%<br>Result: Irritating<br>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**

| | |
|---|---|
| COCO-BETAINE | OECD 406<br>Result: Not Sensitizing<br>Species: Guinea pig |
| SODIUM LAURETH SULFATE | OECD 406<br>Result: Not Sensitizing<br>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 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.

**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 LAURETH SULFATE | 1000 mg/kg bw/d OECD 414<br>Result: NOAEL<br>Species: Rat |
| COCO-BETAINE | 1000 mg/kg bw/d OECD 414<br>Result: NOEL<br>Species: Rat |

**Reproductivity**

| | |
|---|---|
| COCO-BETAINE | 150 mg/kg bw/d OECD 422<br>Result: NOEL<br>Species: Rat |
| SODIUM LAURETH SULFATE | 300 mg/kg bw/d OECD 416<br>Result: NOAEL<br>Species: Rat |

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

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

| | |
|---|---|
| COCO-BETAINE | >= 145 mg/kg bw/d OECD 408<br>Result: NOAEL<br>Species: Rat<br>Test Duration: 90 d |
| SODIUM LAURETH SULFATE | >= 225 mg/kg bw/d OECD 408<br>Result: NOAEL<br>Species: Rat<br>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 |
|---|---|---|---|
| COCO-BETAINE (CAS 68424-94-2) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| 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 |
| *Chronic* | | | |
| Algae | NOEC | Pseudokirchneriella subcapitata | 0.38 mg/l, 72 h OECD 201 |
| Crustacea | NOEC | Daphnia magna | 2.99 mg/l, 21 d OECD 211 |
| SODIUM LAURETH SULFATE (CAS 3088-31-1) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| 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 |
| *Chronic* | | | |
| Crustacea | NOEC | Daphnia magna | 0.27 mg/l, 21 d OECD 211 |
| Fish | NOEC | Oncorhynchus mykiss | 0.14 mg/l, 28 d OECD 204 |

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

**Persistence and degradability**

**Biodegradability**

**Percent degradation (Aerobic biodegradation)**

| | |
|---|---|
| COCO-BETAINE | 79 % OECD 301 B<br>Result: Readily Biodegradable<br>Test Duration: 28 d |
| SODIUM LAURETH SULFATE | 100 % EU C.4-A<br>Result: Readily Biodegradable<br>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 |

**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** 08-07-2018

**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.