

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** PUREOLOGY NANO WORKS GOLD SHAMPOO

**Other means of identification**

**SDS number** 00-11-227-0

**Recommended use** Personal care product used on the hair 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	%
DISODIUM LAURETH SULFOSUCCINATE		39354-45-5	7.2
SODIUM LAUROYL METHYL ISETHIONATE		928663-45-0	5.03
SODIUM LAURYL SULFOACETATE		1847-58-1	2.8
COCO-GLUCOSIDE		141464-42-8	1.04

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<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. If eye irritation persists: Get medical advice/attention.
<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.
<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>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<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.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
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**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.

**Color**

Not available.

**Odor**

Characteristic.

**Odor threshold**

Not available.

**pH**

5.9 - 6.5

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

> 212 °F (> 100 °C)

**Flash point**

> 212.0 °F (> 100.0 °C)

**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

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	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
COCO-GLUCOSIDE (CAS 141464-42-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg bw OECD 402
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg bw OECD 401
DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	10000 mg/kg
<b>Oral</b>		
LD50	Rat	> 3000 mg/kg OECD 401
SODIUM LAURYL SULFOACETATE (CAS 1847-58-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Oral</b>		
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

COCO-GLUCOSIDE	OECD 404 Result: Irritating Species: Rabbit
DISODIUM LAURETH SULFOSUCCINATE	OECD 404 Result: Not Irritating Species: Rabbit
SODIUM LAURYL SULFOACETATE	Result: Irritating Species: Rabbit

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

**Irritation Corrosion - Eye**

COCO-GLUCOSIDE

OECD 405

Result: Corrosive

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**

COCO-GLUCOSIDE

OECD 406

Result: Not Sensitizing

Species: Guinea pig

DISODIUM LAURETH SULFOSUCCINATE

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**

COCO-GLUCOSIDE

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

DISODIUM LAURETH SULFOSUCCINATE

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**

COCO-GLUCOSIDE

1000 mg/kg bw/d OECD 414, No effects on development

Result: NOAEL

Species: Rat

**Reproductivity**

COCO-GLUCOSIDE

1000 mg/kg bw/d OECD 421, No effects on fertility

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.

COCO-GLUCOSIDE

1000 mg/kg bw/d EU B.26

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
COCO-GLUCOSIDE (CAS 141464-42-8)			
Acute	LC50		4.4 - 4.88 mg/l, 96 h OECD 203
Aquatic			
Acute			
Algae	EC50	Desmodesmus subspicatus	19 mg/l, 72 h DIN 38412, Part 9
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 h OECD 202
Other	EC50	Pseudomonas putida	10000 mg/kg bw/d, 16 h DIN 38412, Part 8
DISODIUM LAURETH SULFOSUCCINATE (CAS 39354-45-5)			
Aquatic			
Acute			
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 LAURYL SULFOACETATE (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

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

### Persistence and degradability

#### Biodegradability

##### Percent degradation (Aerobic biodegradation)

COCO-GLUCOSIDE	100 % OECD 301 E Result: Readily Biodegradable
DISODIUM LAURETH SULFOSUCCINATE	> 60 % Result: Readily Biodegradable Test Duration: 28 d
SODIUM LAURYL SULFOACETATE	>= 60 % OECD 301 D Result: Readily Biodegradable Test Duration: 28 d

### Bioaccumulative potential

**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

No

#### 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 05-09-2018

Version # 01

NFPA ratings Health: 2  
Flammability: 1  
Instability: 0

**Disclaimer**

Pureology cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.