



## Certificate of Analysis

**Product:** Decyl Glucoside  
**Batch Number:** 4474705  
**Best Before End** July 2025

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Test	Analysis	Specification
Appearance at 25°C	Complies	Colorless or Light yellow liquid
Viscosity at 20°C	1900	1000 – 6000
Active Content (wt%)	51.36	51 – 55
Free Alcohol (wt%)	0.67	<1.0
pH	11.73	11.5 – 12.5
Ash (wt%)	2.85	<3.0

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## Product Information

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### Allergens Statement

We hereby certify that the above mentioned product does not contain to the best of our knowledge;

- Artificial Colours
- Carmine red Colour-Cochineal
- Cottonseed Flour
- Oat and Oat products
- Rye and Rye products
- Soybean and Soybean products
- Sorghum
- Wheat and Wheat Products
- Celery
- Seeds
- Peanut and Peanut products
- Tree nuts
- Dairy and Dairy products
- Egg and Egg products
- Fish and Fish products
- Shellfish and Shellfish Products
- MSG- Monosodium Glutamate



## **Product Information**

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**Product Name: Decyl Glucoside**

**Composition Declaration**

Inci Name	Reach Registration Number	Cas No	EC No	Concentration
Decyl Glucoside	01-2119489418-23-0010 01-2110488530-36-0012	110615-47-9 68515-73-1	259-218-1	51% – 55%
Water	-	7732-18-5	231-791-2	49% - 45%



## **Product Information**

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**Product Name: Decyl Glucoside**

**Country of Origin**

We can confirm the country of origin is Peoples Republic of China.



## **Product Information**

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**Chemicals Product Name: Decyl Glucoside**

**GMO Statement**

We hereby declare that the above mentioned products is free from GMO.

## Decyl Glucoside

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

**Product name:** Decyl Glucoside  
**CAS number:** 110615-47-9 & 68515-73-1  
**EINECS number:** 259-218-1  
**INCI Name:** Decyl Glucoside

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Natural, non-ionic surfactant, ideal for all foaming and cleansing.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier Name:** MADAR Corporation Ltd  
**Supplier Address:** 19 - 20  
Sandleheath Industrial Estate  
Fordingbridge  
SP6 1PA

**Supplier Telephone:** +44 (0)1425 655555  
**Email:** [technical@madarcorporation.co.uk](mailto:technical@madarcorporation.co.uk)

#### 1.4. Emergency telephone number

**Telephone:** +44 (0)1425 655555 (office hours only)

### Section 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

2.1 Classification of the substance or mixture Classification according to EC regulation 1272/2008 (CLP):  
Eye Dam. 1; H318 Causes serious eye damage.  
Skin Irrit. 2; H315 Causes skin irritation.

Classification according to Directive 67/548/EEC or 1999/45/EC  
Xi; R41 Risk of serious damage to eyes.  
Xi; R38 Irritating to skin.

#### 2.2. Label elements

## Decyl Glucoside

### Labelling (CLP)



Signal words: Danger

Hazard statements H315 Causes skin irritation.  
H318 Risk of serious damage to eyes.

Safety Precautions P280 Wear protective gloves, protective clothing, eye protection, face protection.  
P302+P352 Gently wash with plenty of soap and water.  
P332+P313 If skin irritation occurs, get medical advice/ attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### Labelling (67/548/EEC or 1999/45/EC)



irritant

R phrase(s): R 38 Irritating to skin.  
R 41 Risk of serious damage to eyes.  
S phrase(s): S 24/25 Avoid contact with skin and eyes.  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 37/39 Wear suitable gloves and eye/face protection.

### 2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance

## Section 3: Composition/information on ingredients

### 3.1. Substances

#### Chemical Identity

Ingredients	Content	CAS#	EC#	REACH-Registration No.
C8-10 Alkyl Polyglucoside	20-40%	68515-73-1	500-220-1	01-2119488530-36-0008
C10-16 Alkyl Polyglucoside	10-30%	110615-47-9	600-975-8	17-2119948606-28-0000

**Decyl Glucoside****Section 4: First aid measures****4.1. Description of first aid measures**

- Skin contact:** After contact with skin, wash immediately with soap and plenty of water. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose of safely.
- Eye contact:** Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION. Protect uninjured eye
- Ingestion:** Do not induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet. Give nothing to eat or drink.
- Inhalation:** Remove casualty to fresh air and keep warm and at rest. In case of inhalation, consult a doctor immediately and show him packing or label.

**4.2. Most important symptoms and effects, both acute and delayed**

In some cases of exposure, the following symptoms may be observed:

- Skin contact:** Not applicable  
**Eye contact:** Not applicable  
**Ingestion:** Not applicable.  
**Inhalation:** Not applicable

**4.3. Indication of any immediate medical attention and special treatment needed**

- Skin contact:** Not applicable  
**Eye contact:** Not applicable  
**Ingestion:** Not applicable.  
**Inhalation:** Not applicable

**Section 5: Fire-fighting measures****5.1. Extinguishing media**

**Extinguishing media:** Carbon dioxide. Water.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Do not inhale explosion and combustion gasses. Burning produces heavy smoke.



## Decyl Glucoside

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Suitable material for taking up: absorbing material, organic, sand. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

See also sections 8 and 13

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid contact with skin and eyes, inhalation of vapours and mists. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

**Decyl Glucoside**

**Storage conditions:** Adequately ventilated premises.  
**Suitable packaging:** stainless steel, polyethylene

**7.3. Specific end use(s)**

Not applicable

**Section 8: Exposure controls/personal protection****8.1. Control parameters**

**Workplace exposure limits:** Not applicable.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.  
**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.  
**Hand protection:** Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.  
**Eye protection:** Safety goggles.  
**Skin protection:** Overall

**Section 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**State:** Liquid Mass  
**Colour:** yellow viscous liquid at 20°C  
**Odour:** Characteristic  
**Solubility in water:** soluble  
**Soluble in:** -  
**pH** 11.5-12.5sol.10%

**9.2. Other information**

Not applicable

**Section 10: Stability and reactivity****10.1. Reactivity**

## Decyl Glucoside

Not applicable

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not applicable

### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid open flames

### 10.5. Incompatible materials

**Incompatible materials:** Avoid powerful oxidising agents

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** It may generate irritant / toxic mists / gases

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:**

Route	Species	Test	Value	Units
ORL	RAT	LD50	>2000	mg/kg

### Symptoms / routes of exposure

Not applicable

## Section 12: Ecological information

### 12.1. Toxicity

Aquatic toxicity: CAS No. 110615-47-9:  
Acute toxicity:

## Decyl Glucoside

Fish toxicity:  
 LC50 Brachydanio rerio (zebra-fish): 2,95 mg/L/96 h.  
 Daphnia toxicity:  
 EC50 Daphnia magna (Big water flea): >7 mg/L/48 h  
 algae toxicity:  
 EC50 Scenedesmus subspicatus: 19 mg/L/72 h  
 Chronic toxicity:  
 Fish toxicity:  
 NOEC Brachydanio rerio (zebra-fish): 1,8 mg/L/28 d.  
 Daphnia toxicity:  
 NOEC Daphnia magna (Big water flea): 1 mg/L/21 d  
 Sediment toxicity  
 LC50: 650,45 mg/kg sediment dw

Chronic (long-term) toxicity to crustacea  
 NOEC Corophium volutator: 71,36 mg/kg sediment dw  
 CAS No. 68515-73-1:  
 Acute fish toxicity:  
 LC50: 126 mg/L/96 h.  
 Longterm fish toxicity:  
 NOEC Brachydanio rerio (zebra-fish): 1,8 mg/L/28d.  
 Acute Daphnia toxicity:  
 EC50 Daphnia magna (Big water flea): > 100 mg/L/48 h(OECD 202)  
 Chronic daphnia toxicity:  
 EC10 Daphnia magna (Big water flea): 1,76 mg/L/21 d  
 Algae toxicity:  
 Scenedesmus subspicatus EC50: 27,22 mg/L/72 h  
 Chronic (long-term) toxicity to crustacea  
 NOEC Corophium volutator: 262,16 mg/kg/10 d sediment dw

### 12.2. Persistence and degradability

Further details: CAS No. 110615-47-9:  
 Photo-chemical elimination (Air):  
 DT50: 2,51 h  
 Hydrolysis at pH 4,7,9 : none  
 Biodegradability: 88%/728 d  
 The product is completely biodegradable.  
 Hydrolysis (at pH 4,7,9; test duration: 5 d; temperature: 50 °C): none  
 CAS No. 68515-73-1:  
 Biodegradability in Water: >99,4%/ 28d (aerobic)  
 Hydrolysis (at pH 4,7,9; test duration: 5 d; temperature: 50 °C): none  
 The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3. Bioaccumulative potential

Partition coefficient n-octanol/water:  
 at 40 °C: 1,72 log P(o/w)  
 Appreciable bio-accumulation is not to be expected (log P(o/w) 1-3).

### 12.4. Mobility in soil

**Mobility:** CAS No. 110615-47-9:  
 log KOC: 1,7/25 °C  
 Henry's Law Constant: 0,00000002 Pa m<sup>3</sup>/mol/25 °C

## Decyl Glucoside

CAS No. 68515-73-1:  
log Koc: 1,7 at 25 °C  
Henry's Law Constant: 0,000000012 Pa m<sup>3</sup>/mol/25 °C

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6. Other adverse effects

Not applicable

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Must be disposed of in accordance with local and national regulations.  
**Disposal of packaging:** Dispose of as normal industrial waste.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** Not classified for transport

### 14.2. UN proper shipping name

**UN proper shipping name:** Not applicable.

### 14.3. Transport hazard class(es)

**Transport hazard class:** Not applicable.

### 14.4. Packing group

**Packing group:** Not applicable.

### 14.5. Environmental hazards

**Environmental hazards:** Not classified as environmentally hazardous according to UN Model Regulations (IMDG, ADR, RID and ADN)

### 14.6. Special precautions for user

**Disposal operations:** Must be disposed of in accordance with local and national regulations.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

## Decyl Glucoside

**Transport in bulk:** Product will not be transported in bulk

### Section 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n.1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009. Where applicable, refer to the following regulatory provisions : Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments. Regulation (EC) nr 648/2004 (detergents). 1999/13/EC (VOC directive)

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### Section 16: Other information

#### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

## Decyl Glucoside

**INCI Name:** Decyl Glucoside  
**Cas No:** 110615-47-9 & 68515-73-1  
**Synonyms:** Alkyl Glucoside

Decyl Glucoside is a, natural, non-ionic surfactant, ideal for all foaming and cleansing products. Also used in cosmetic formularies including baby shampoo and in products for individuals with sensitive skin.

## Specification

Test Parameter	Range/Max/Min
Appearance at 25°C	Colorless or Light yellow liquid
Viscosity at 20°C	1000 – 6000
Specific Gravity at 25°C	1.08 – 1.11
Active Content (wt%)	51 – 55
Free Alcohol (wt%)	<1.0
pH	11.5 – 12.5
Butyl Glucoside	0
Ash (wt%)	<3.0
DP	1.3 – 1.5
Water(wt%)	45 - 49



## **Product Information**

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**Product Name: Decyl Glucoside**

**Animal Statement Status**

I can confirm the above product has not been tested on animals by or on behalf of MADAR Corporation Ltd.





## **Product Information**

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**Chemicals Product Name: Decyl Glucoside**

**Vegan Statement**

We hereby confirm that no Animal derived material is used in the process of manufacturing or packaging of the above mentioned product and is therefore suitable for vegans.