



Certificate of Analysis

Product: Decyl Glucoside
Batch Number: 4417511
Best Before End: December 2023

Test	Analysis	Specification
Appearance at 25°C	Complies	Colorless or Light yellow liquid
Viscosity at 20°C	1600	1000 – 6000
Active Content (wt%)	51.28	51 – 55
Free Alcohol (wt%)	0.64	<1.0
pH	12.07	11.5 – 12.5
Ash (wt%)	2.86	<3.0



Product Information

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

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

Product Name: Decyl Glucoside

Country of Origin

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



Product Information

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

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)



Xi

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 m³/mol/25 °C

Decyl Glucoside

CAS No. 68515-73-1:
log Koc: 1,7 at 25 °C
Henry's Law Constant: 0,000000012 Pa m³/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

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

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.