

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)


1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
GHS Product Identifier **DECYL GLUCOSIDE**
Chemical Name *Decyloctyl and C10-C16 even-numbered glycosides*
Other Mixture of Caprylyl/Capryl and Lauryl Glycoside
CAS No. 68515-73-1 and 110615-47-9
EINECS No. 500-220-1 and 600-975-8
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Surfactant
Uses advised against None known.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Gracefruit Limited
146 Glasgow Rd
Stirlingshire
FK4 1QL

E-Mail(competen tperson)

enquiries@gracefruit.com

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Eye Dam. 1 H318
- 2.1.2 Directive 1999/45/EC** Xi Irritant.
- 2.2 Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
- 2.2.1 Label elements**
- GHS Product Identifier DECYL GLUCOSIDE
- Hazard pictogram(s) 
- Signal word(s) Danger
- Hazard statement(s) H318: Causes serious eye damage.

Precautionary statement(s)

P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2.2 Label elements

Classification according to Dangerous Product Regulations incl. EC Directives

Hazard classification



Xi Irritant.

Risk Phrases

R41: Risk of serious damage to eyes.

Safety Phrases

S25: Avoid contact with eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39: Wear eye/face protection.

2.3 Other hazards

Not applicable

2.4 Additional Information

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Hazard statement(s)
Decyloctylglycoside	25 - 55%	68515-73-1	500-220-1	Eye Dam. 1 H318
d-glucopyranose, oligomeric, C10-16(even-numbered) alkyl glycosides	15 - 30%	110615-47-9	600-975-8	Skin Irrit. 2 H315 Eye Dam. 1 H318

EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	Classification and Risk Phrases
Decyloctylglycoside	25 - 55%	68515-73-1	500-220-1	R41
d-glucopyranose, oligomeric, C10-16(even-numbered) alkyl glycosides	15 - 30%	110615-47-9	600-975-8	R38-R41

3.3 Additional Information

For full text of R/H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Unlikely route of exposure. Remove persons affected by vapour to fresh air. Apply artificial respiration if breathing has ceased or shows signs of failing. Administer oxygen if necessary. If symptoms develop, obtain medical attention.

Skin Contact

Remove contaminated clothing and wash affected skin with plenty of water. Wash contaminated clothing before reuse. If symptoms develop, obtain medical attention.

Eye Contact

Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 10 minutes.

Ingestion

Obtain medical attention. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Irritation, Coughing. Nausea. Vomiting.

4.3 Indication of the immediate medical attention and special treatment needed

Increased difficulty in breathing.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

As appropriate for surrounding fire.

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire-fighters

Self-contained breathing apparatus to be worn if involved in fire.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Put on protective clothing. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

To be disposed of as hazardous waste.

6.4 Reference to other sections

See Section: 8 (EXPOSURE CONTROLS/PERSONAL PROTECTION) & 13 (DISPOSAL CONSIDERATIONS)

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

General hygiene measures for the handling of chemicals are applicable. Avoid contact with skin and eyes. Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Storage Temperature

Keep only in the original container in a cool, well-ventilated place. Keep containers properly sealed when not in use.
< 40 degC.

Storage Life

1 Year(s)..

Incompatible materials

Strong oxidising and reducing agents.

Other information

Keep away from direct sunlight.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

LTEL (8 hr TWA mg/m³)
LTEL (8 hr TWA mg/m³)

WEL: Workplace Exposure Limit (UK HSE EH40)

Not applicable.
Not applicable.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

8.2.2 Personal protection equipment

Eye/face protection



Safety spectacles/goggles. EN166.

Skin protection (Hand protection/ Other)



Gloves : Nitrile rubber. EN374-3.
Apron or other light protective clothing.

Respiratory protection



Provide adequate ventilation, including appropriate local extraction. No personal respiratory protective equipment normally required.

Other

Guarantee that the eye flushing systems and safety showers are located close to the working place. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (Mixture)

Appearance	Viscous liquid
Colour	Pale yellow
Odour	Almost odourless
Odour Threshold (ppm)	Not available.
pH (Value)(20% solution - water/isopropanol 15%)	11 -12.5
Melting Point (°C) / Freezing Point (°C)	< 0 degC
Boiling point/boiling range (°C):	> 100 degC
Flash Point (°C) [Closed cup]	Not applicable
Evaporation rate (Butyl acetate = 1)	<< 1
Explosive limit ranges	Not applicable.
Vapour Pressure (mmHg)	< 1 mmHg at 20 degC
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	1.1 (approx) at 20 degC
Solubility (Water)	Miscible
Solubility (Other)	Not Soluble in most organic solvents.
Partition Coefficient (n-Octanol/water)	< -0.07 (calculated)
Auto Ignition Temperature (°C)	Not applicable
Decomposition Temperature (°C)	> 200 degC
Viscosity (mPa.s)	> 1 000

	Explosive properties	Not explosive.
	Oxidising properties	Not oxidising
9.2	Other information	

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Reacts with - Strong oxidising and reducing agents
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	None known.
10.4	Conditions to avoid	The product may decompose if heated to temperatures above (40°C):
10.5	Incompatible materials	Strong oxidising and reducing agents.
10.6	Hazardous Decomposition Product(s)	None known

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

Ingestion

Inhalation (4 hrs)

Skin Contact

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitization

Mutagenicity

Carcinogenicity

Reproductive toxicity

STOT-single exposure

STOT-repeated exposure (91 Days.)

LD50 > 5 000 mg/kg (rat)

Not applicable (Test not scientifically justified)

LD50 > 2 000 mg/kg

Non-irritant. (calculated)

Severe irritant to the eye.

It is not a skin sensitiser in animal tests.

There is no evidence of mutagenic potential.

No evidence of carcinogenicity.

No evidence of reproductive toxicity.

Inhalation : Irritating to respiratory system.

Ingestion : Will cause irritation of the gastrointestinal tract.

No data

11.2 Other information

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Fish) (96hrs)

(Daphnia magna) (48hrs)

(Algae) (72hrs)

LC50 >10 mg/ l (calculated)

EC50 > 20 mg/l (calculated)

EC50 > 10 mg/l (CAS: 110615-47-9)

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential (96 hrs)

The product has no potential for bioaccumulation.

12.4 Mobility in soil

This product is predicted to degrade in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

To be disposed of as hazardous waste. Normal disposal is via incineration operated by an accredited disposal contractor.

Consult an accredited waste disposal contractor or the local authority for advice.

13.2 Additional Information

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID) UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
14.2 Sea transport (IMDG) UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
14.3 Air transport (ICAO/IATA) UN number	Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations Authorisations and/or restrictions on use	EC Standards 82/242 and 82/243/EEC (Detergents) : This product is > 90% biodegradable in water.
15.1.2 National regulations	None assigned
15.2 Chemical Safety Assessment	Not determined.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 - #16. (Format)

References:

European Chemicals Agency
European Chemicals Bureau
European Regulations and Directives
Published chemical directories
Suppliers' safety data sheets
UK Health and Safety Executive
US Environmental Protection Agency

Risk Phrases

R38: Irritating to skin.
R41: Risk of serious damage to eyes.

Safety Phrases

S25: Avoid contact with eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39: Wear eye/face protection.

Hazard statement(s)

H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary statement(s)

P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Additional Information

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Gracefruit Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Gracefruit Limited accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.