

SAFETY DATA SHEET DECYL GLUCOSIDE

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Decyl Glucoside

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification of the Substance:

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin corrosion/irritation: Category1A, H314

Serious eye damage/irritation: Category1, H318

Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard Pictogram(s)



Signal word:

Danger

Hazard statement(s)

- H314 Causes severe skin burns and eye damage

- H318 Causes serious eye damage

Precautionary statement(s)

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment

P363 Wash contaminated clothing before reuse.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

Other hazards

Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable

Mixtures

INCI NAME	EC No.	CAS No.	REACH registration No.	% [weight]	Classification [1272/2008/EC]	Specific concentration limit
Water	231-791-2	7732-18-5	-	45 - 49	Not classified	-
Decyl Glucoside	500-220-1 / -	68515-73-1 / 110615-47-9	01- 2119488530- 36-0003 / 01- 2119489418- 23-0002	51 - 55	Eye Dam. 1, H318 Skin Irrit. 2, H315	Eye Dam. 1: >12.0 - <= 30.0 % Skin Irrit. 2: >30.0 %

4. FIRST AID MEASURES

Description of first aid measures

General

No general information.

Inhalation

When exposed to large amounts of steam and mist, move to fresh air.
Take specific treatment if needed.

Skin contact

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash contaminated clothing thoroughly before re-using.
Get medical attention immediately.
Wash thoroughly after handling.

Eye contact

Do not rub your eyes.
Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.
Get medical attention immediately.
Remove contact lenses if worn.

Ingestion

Please be advised by doctor whether induction of vomit is demanded or not.
Rinse your mouth with water immediately.

Most important symptoms and effects, both acute and delayed

Not available

Indication of any immediate medical attention and special treatment needed

Environmental precautions

Prevent runoff and contact with waterways, drains or sewers.
If large amounts have been spilled, inform the relevant authorities.
Avoid dispersal of spilt material and runoff and contact with waterways, drains and sewers. If large spills, advise emergency services.

Methods and material for containment and cleaning up

For containment

Control personal contact by using protective equipment.
Clear area of personnel and move up wind.
Prevent, by any means available, spillage from entering drains or water course.
Stop leak if safe to do so.

For cleaning up

Large spill: Stay upwind and keep out of low areas. Dike for later disposal.
Notification to central government, local government. When emissions at least of the standard amount
Dispose of waste in accordance with local regulation.
Appropriate container for disposal of spilled material collected.
Small leak: sand or other non-combustible material, please let use absorption.
Wipe off the solvent.
Dike for later disposal.

Other information

Slippery when spilt.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Comply with all applicable laws and regulations for handling
Get the manual before use.
Refer to Engineering controls and personal protective equipment.
Operators should wear antistatic footwear and clothing.
Do not inhale the steam prolonged or repeated.

Conditions for safe storage, including any incompatibilities

Do not use damaged containers.
Keep in the original container.
Please pay attention to incompatibilities materials and conditions to avoid.

For Unknown Concentration or Immediately Dangerous to Life or Health : Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.

Skin protection

Wear appropriate clothing.

Environmental exposure controls

Do not let product enter drains. For ecological information refer to section 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance(State)	Liquid(Viscous liquid)
Appearance(Color)	Yellowish
Odor	Alcohol odor
Odor threshold	Not available
pH	11 - 12 (10% Sol'n)
Melting point/Freezing point	2 °C
Initial boiling point and boiling range	100 °C
Flash point	Not available
Evaporation rate	Not available
Flammability(solid, gas)	Non flammable
Upper/Lower Flammability or explosive limits	Not available
Vapour pressure	< 0.01 Pa at 20°C
Vapour density	Not available
Relative density	1.103 at 20°C
Solubility	> 200 g/L at 20°C
Partition coefficient of n-octanol/water	< 1.77
Autoignition temperature	Not available
Decomposition temperature	Not available
Viscosity	500 - 2,500 cps at 20°C
Explosive properties	Not available
Oxidising properties	Not available

Other information

Not available

10. STABILITY AND REACTIVITY

Reactivity

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

Not available

Chemical Stability

This material is stable under recommended storage and handling conditions.

Possibility of hazardous reactions

Hazardous Polymerization will not occur.

Conditions to avoid

Avoid contact with incompatible materials and condition.

Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces

Incompatible materials

Not available

Hazardous decomposition products

May emit flammable vapour if involved in fire.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Product (ATEmix) : >5000mg/kg

[Water] : LD50 > 90000 mg/kg Rat (KOSHA)

[D-Glucose, decyl octyl ethers, oligomeric] : LD50 >2000 mg/kg Rat (OECD Guideline 423)

[Decyl Glucoside] : LD50 >2000 mg/kg Rat (OECD Guideline 423)

Dermal

Product (ATEmix) : >5000mg/kg

[D-Glucose, decyl octyl ethers, oligomeric] : LD50 >2000 mg/kg Rabbit (OECD Guideline 402)

[Decyl Glucoside] : LD50 >2000 mg/kg Rat (OECD Guideline 402)

Inhalation

Not available

Skin corrosion/irritation

[D-Glucose, decyl octyl ethers, oligomeric] : Skin corrosion/irritation rabbit: not irritating (OECD Guideline 404)

[Decyl Glucoside] : Skin corrosion/irritation rabbit: irritating (OECD Guideline 404)

Serious eye damage/irritation

[D-Glucose, decyl octyl ethers, oligomeric] : Serious eye damage/irritation rabbit: highly irritating (OECD Guideline 405)

[Decyl Glucoside] : Serious eye damage/irritation rabbit: highly irritating (OECD Guideline 405)

Respiratory sensitization

Not available

Skin sensitization

[D-Glucose, decyl octyl ethers, oligomeric] : Skin sensitisation guinea pig: not sensitising (OECD Guideline 406)

[Decyl Glucoside] : Skin sensitisation guinea pig: not sensitising (OECD Guideline 406)

Germ cell mutagenicity

[D-Glucose, decyl octyl ethers, oligomeric] : Bacterial Reverse Mutation Assay(OECD Guideline 471): negative, In vitro Mammalian Cell Gene Mutation Test(OECD Guideline 476): negative (with and without metabolic activation), In vitro Mammalian Chromosome Aberration Test(OECD Guideline 473): negative

[Decyl Glucoside] : Bacterial Reverse Mutation Assay(OECD Guideline 471): negative, In vitro Mammalian Cell Gene Mutation Test(OECD Guideline 476): negative (with and without metabolic activation), In vitro Mammalian Chromosome Aberration Test(OECD Guideline 473): negative, In vivo Mammalian Erythrocyte Micronucleus Test(OECD Guideline 474): negative

Carcinogenicity

IARC

Not available

OSHA

Not available

ACGIH

Not available

NTP

Not available

EU CLP

Not available

Reproductive toxicity

[D-Glucose, decyl octyl ethers, oligomeric] : A one-generation screening assay revealed a NOAEL for reprotoxicity of 1000 mg/kg/day. (OECD Guideline 421), A developmental toxicity study revealed a NOAEL of 1000 mg/kg/day. (OECD Guideline 414)

[Decyl Glucoside] : A one-generation screening assay revealed a NOAEL for reprotoxicity of 1000 mg/kg/day. (OECD Guideline 421), A developmental toxicity study revealed a NOAEL of 1000 mg/kg/day. (OECD Guideline 414)

Specific target organ toxicity(single exposure):

Not available

Specific target organ toxicity(repeated exposure):

[D-Glucose, decyl octyl ethers, oligomeric] : An oral subchronic repeated dose toxicity study revealed a NOAEL of 100 mg/kg/day. (EU Method B.26)

[Decyl Glucoside] : An oral subchronic repeated dose toxicity study revealed a NOAEL of 1000 mg/kg/day. (EU Method B.26)

Aspiration hazard

Not available

12. ECOLOGICAL INFORMATION

Toxicity

Fish

[D-Glucose, decyl octyl ethers, oligomeric] : LC50 (96 h): 100.81 mg/L Brachydanio rerio (ISO 7346/1-3), NOEC(28 d): 1.8 mg a.i./L (based on: mortality) Brachydanio rerio (OECD Guideline 204)

[Decyl Glucoside] : LC50 (96 h): 5.9 mg/L Brachydanio rerio (Annex of 92/69/EWG), NOEC(28 d): 1.8 mg a.i./L (based on: mortality) Brachydanio rerio (OECD Guideline 204)

Invertebrate

[D-Glucose, decyl octyl ethers, oligomeric] : EC50 (48 h): >100 mg/L(based on: mobility) Daphnia magna (OECD Guideline 202), NOEC (21 d): 1 mg/L(based on: mobility) Daphnia magna (OECD Guideline 202 Part II)

[Decyl Glucoside] : EC50 (48 h): 14 mg/L(based on: mobility) Daphnia magna (Annex of 92/69/EWG), NOEC (21 d): 2 mg/L(based on: mobility) Daphnia magna (OECD Guideline 202 Part II)

Algae

[D-Glucose, decyl octyl ethers, oligomeric] : EC50 (72 h): 27.22 mg/L (based on: growth rate) Scenedesmus subspicatus (DIN 38412, part 9)

[Decyl Glucoside] : EC50 (72 h): 10 mg/L (based on: biomass) Scenedesmus subspicatus (Annex of 92/69/EWG)

Persistence and degradability

Persistence

[Water] : log Kow = -1.38

[D-Glucose, decyl octyl ethers, oligomeric] : log Kow ≤ 1.77 (calculated)

[Decyl Glucoside] : log Kow ≤ -0.07 (calculated)

Degradability

Not available

Bioaccumulative potential

Bioaccumulation

Not available

Biodegradability

[D-Glucose, decyl octyl ethers, oligomeric] : Readily biodegradable (according to the OECD criteria)

[Decyl Glucoside] : Readily biodegradable (according to the OECD criteria)

Mobility in soil

[D-Glucose, decyl octyl ethers, oligomeric] : log Koc: 1.7 at 25 °C

[Decyl Glucoside] : log Koc: 1.7 at 25 °C

Results of PBT and vPvB assessment

According to Annex XIV of Regulation (EC) No. 1907/2006 concerning the Regulation, Evaluation, Authorization and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Since more than two kinds of designated waste is mixed, it is difficult to treat separately, then can be reduction or stabilization by incineration or similar process.

If water separation is possible, pre-process with Water separation process.

Dispose by incineration.

The user of this product must dispose by oneself or entrust it to a waste disposer, a person who recycles other's waste or establishes and operates waste disposal facilities.

Dispose of waste in accordance with all applicable laws and regulations.

14. TRANSPORT INFORMATION

UN No.

UN No. (ADR/RID/ADN)

Not applicable

UN No. (IMDG CODE/IATA DGR)

Not applicable

UN No. (ICAO)

Not applicable

UN proper shipping name

Not applicable

Transport hazard class(es)

ADR/RID/ADN Class

Not applicable

ADR/RID/ADN Class

Not available

ADR Label No.

Not applicable

IMDG Class

Not applicable

ICAO Class/Division

Not applicable

Transport Labels

Not applicable

Packing group

ADR/RID/ADN Packing group

Not applicable

IMDG Packing group

Not applicable

ICAO Packing group

Not available

Environmental hazards

Not applicable

Special precautions for user

Local transport follows in accordance with Dangerous goods Safety Management Law.
Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

EmS FIRE SCHEDULE : Not available
EmS SPILLAGE SCHEDULE : Not available
Air transport(IATA): Not subject to IATA regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulation / legislation specific for the substance or mixture

Europe regulatory

REACH Restricted substance under REACH
Not applicable

REACH Substances subject to authorization under REACH
Not applicable

REACH SVHC
Not applicable

Europe PBT
Not applicable

European Union (EU) Transport of Dangerous Goods by Road - Dangerous Goods List
Not applicable

Chemical Safety Assessment
Not conducted

16. OTHER INFORMATION

Indication of changes

The Safety Data Sheet has been reviewed and the data therein were revised and laid out according to the requirements of the Commission Regulation (EC) No. 1907/2006

Abbreviations and acronyms

1272/2008 CLP : Classification, Labelling and Packaging regulation.

REACH : Registration, Evaluation and authorisation of chemical substances.

DNEL : Derive no effects level

PNEC : Predicted no effect concentration

Key literature references and sources for data

This Safety Data Sheet was compiled with data and information from the following sources: RTECS, ECOSAR, HSDB, SIDS SIAP, ChemWATCH, CESAR, Chemical DB

Classification procedure

The mixture classification has been derived based on the classification of the individual components in accordance with the rules set out in Regulation (EC) No 1272/2008 (CLP) as well as the translation tables in Annex VII to the same regulation.

Training advice

Not applicable

Further information

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