Safety Data Sheet

APG® 0810-50

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Decyl Glucoside

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

General use: Raw material for the chemical and pharmaceutical industry
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Distributor: Silver Fern Chemical Inc.
2226 Queen Anne Ave N, Seattle WA 98109

Customer Service: +1 (866) 282 3384 info@silverfernchemical.com

24 Hour Emergency Contact:

INFOTRAC: 1 (800) 535 5053 (USA and Canada)
Outside USA and Canada: 1 (352) 323-3500

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)
Eye Dam. 1; H318 Causes serious eye damage.

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

2.2 Label elements

Labelling (CLP)

Signal word: Danger

Hazard statements:	H318	Causes serious eye damage.
Safety precautions:	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.
	P337+P313	If eye irritation persists: Get medical advice/attention.

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

Xi

irritant

R phrase(s): R 41 Risk of serious damage to eyes.

S phrase(s): S 25 Avoid contact with eyes.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 39 Wear eye/face protection.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization: D-Glucopyranose, oligomers, decyl octyl glycoside aqueous solution

Hazardous ingredients:

Ingredient	Designation	Content	Classification
CAS: 68515-73-1	Alkyl polyglucoside (C8-10)	50 %	EU: Xi; R 41 CLP: Eye Dam. 1; H318.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Provide fresh air. Seek medical treatment in case of troubles.

In case of skin contact: Remove residues with soap and water. Change contaminated clothing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth and drink large quantities of water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

After eye contact:
Causes serious eye damage..

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water fog, foam, extinguishing powder, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus. Wear suitable protective clothing.

Additional information: Hazchem-Code: -

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Provide adequate ventilation. Wear personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to chapter 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Avoid contact with eyes.

Wear suitable protective clothing.
Provide adequate ventilation, and local exhaust as needed.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a dry and well-ventilated place.

Storage class: 10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

Raw material for the chemical and pharmaceutical industry

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

DNEL/DMEL: CAS No. 68515-73-1:
DNEL Long-term systemic, workers, dermal: 595000 mg/kg bw/d.
DNEL Long-term systemic, workers, inhalative: 420 mg/m³
DNEL Long-term systemic, consumers, oral: 35,7 mg/kg bw/d.
DNEL Long-term systemic, consumers, dermal: 357000 mg/kg bw/d.
DNEL Long-term systemic, consumers, inhalative: 124 mg/m³.

PNEC: CAS No. 68515-73-1:
PNEC water (freshwater): 0,176 mg/L.
PNEC water (marine water): 0,0176 mg/L.
PNEC water (intermittend release): 0,27 mg/L.

PNEC sediment (freshwater): 1,516 mg/kg dwt.
PNEC sediment (marine water): 0,152 mg/kg dwt.

PNEC soil: 0,654 mg/kg soil dw.

PNEC sewage treatment plant: 560 mg/L.

Secondary Poisoning:
PNEC predators, oral: 111,11 mg/kg feed

8.2 Exposure controls

When vapours form: Withdraw by suction.

Occupational exposure controls

Respiratory protection: Respiratory protection in case of aerosol or vapour formation
Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber.
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Avoid contact with skin and eyes. Change contaminated clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.

Have eye wash bottle or eye rinse ready at work place.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Physical state: liquid, cloudy Colour: yellowish
Odour:	weak characteristic
Odour threshold:	no data available
pH value:	at 10%: 11,5-12,5
Melting point/melting range:	not determined
Boiling temperature/boiling range:	not determined
Flash point/flash point range:	> 100 °C
Vapourisation rate:	not determined
Flammability:	This product is non-flammable.
xplosive properties:	no data available
xplosion limits:	no data available no data available
Vapour pressure:	not determined
Vapour density:	no data available
Density:	1,07-1,09 g/mL
Water solubility:	dispersible

Partition coefficient n-octanol/water:	no data available
Autoflammability:	not determined
Thermal decomposition:	no data available
Viscosity, dynamic:	>= 100 mPa*s
Explosive properties:	no data available
Oxidizing characteristics:	no data available

9.2 Other information

Additional information: Molecular weight (CAS No. 68515-73-1): 320,22 g/mol
fatty alcohol (free): <1,0%
degree of polymerisation (DP): 1,3-1,5
sulphated ash: <4%

SECTION 10: Stability and reactivity

10.1 Reactivity

refer to 10.3

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

In case of fire may be liberated: carbon monoxide and carbon dioxide

Thermal decomposition: no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:
LD50 Rat, oral (male, female): (CAS No. 68515-73-1) > 2.000 mg/kg
LD50 dermal (male, female): (CAS No. 68515-73-1) > 2.000 mg/kg

Toxicological effects:

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Lack of data.

Eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.
Information about CAS No. 68515-73-1:
Rat, dermal (male, female) Genotoxicity: negative
chromosomal aberrations mammalian cells: negative (OECD 474).

Carcinogenicity: Lack of data.

Reproductive toxicity: Based on available data, the classification criteria are not met.
Information about CAS No. 68515-73-1:
NOAEL Rat, oral (male, female): 1000 mg/kg bw/d (OECD 421)

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.
Information about CAS No. 68515-73-1:
NOAEL Rat, oral: 100 mg/kg bw/d (EU B.26)

Aspiration hazard: Lack of data.

Symptoms

After eye contact:
Causes serious eye damage..

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

D-Glucopyranose, oligomers, decyl octyl glycosides:

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

Water Hazard Class:

1 = slightly hazardous to water

12.2. Persistence and degradability

Further details: Biodegradability in Water: >99,4%/ 28d (aerobic)
The product is completely biodegradable.

Photo-chemical elimination (Air):
DT50: 2,6 h (D-Glucopyranose, dimers, C10-alkyl glycosides)
DT50: 4,81 h (Octyl D-glucoside)

Hydrolysis at pH 4,7,9 : none

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water:

at 40 °C: -0,07 log P(o/w)

Bio-accumulation is not to be expected (log P(o/w) <1).

12.4 Mobility in soil

log KOC: 1,7/25 °C
Henry's Law Constant: 0,000000012 Pa m^3/mol/25 °C

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 07 07 99 = wastes from the MFSU of fine chemicals and chemical products not otherwise specified
MFSU = manufacture, formulation, supply and use

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Handle contaminated packages in the same way as the substance itself.
Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 UN number

not applicable

14.2 UN proper shipping name

DOT/ADR/RID, IMDG, IATA: Not restricted

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

SECTION 15: Regulatory information

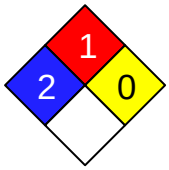
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - Great Britain

Hazchem-Code: -

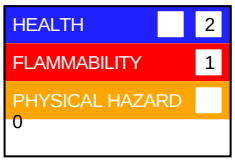
National regulations - USA

Hazard rating systems:



NFPA Hazard Rating:
Health: 2 (Moderate)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:
Health: 2 (Moderate)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor



15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out: D-Glucopyranose, oligomers, decyl octyl glycosides

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:
H318 = Causes serious eye damage.

Wording of the R-phrases under paragraph 2 and 3:
R 41 = Risk of serious damage to eyes.

Reason of change:
Changes in section 8: DNEL-/PNEC-values
Changes in section 9: physical properties
Changes in section 11: Toxicological information
Changes in section 12: Ecotoxicological effects
General revision

Date of first version: 09.07.2012

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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