

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 1 / 9

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

1.1 Product identifier

SONETT Dishwashing Liquid Calendula

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

1.2.1 Relevant uses

Dishwash detergent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company SONETT GmbH
Ziegeleiweg 5
88693 Deggenhausen / GERMANY
Phone +49 (0)7555-9295-0
Fax +49 (0)7555-9295-18
Homepage www.sonett.eu
E-mail info@sonett.eu

Address enquiries to

Technical information info@sonett.eu
Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Company +49 (0)7555-9295-0 Mo-Fr 8:00 - 17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No classification.

2.2 Label elements

The product is required to be labelled in accordance with EC-Directives.

Hazard pictograms none
Signal word none
Hazard statements none
Precautionary statements none
Special labelling Contains: Orange, sweet, ext.. EUH208 May produce an allergic reaction.
Cleaner, 648/2004/CE, contains: 5 - <15% non-ionic surfactants
< 5% anionic surfactant
fragrances CITRUS AURANTIUM DULCIS OIL
fragrances d-LIMONENE
fragrances

2.3 Other hazards

Human health dangers Frequent persistent contact with the skin can cause skin irritation.
Environmental hazards Does not contain any PBT or vPvB substances.
Other hazards none

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 2 / 9

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
1 - <10	Alcylpolyglycoside
	CAS: 110615-47-9, Reg-No.: 01-2119489418-23-XXXX
	GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315
1 - <5	Ethanol
	CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5, Reg-No.: 01-2119457610-43-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off with warm water.
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Supply with medical care.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used

Full water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Sulphur oxides (SO_x).
Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 3 / 9

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with food and animal food/diet.
Keep container in a well-ventilated place.
Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 4 / 9

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Range [%]	Substance
1 - <5	Ethanol
	CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5, Reg-No.: 01-2119457610-43-XXXX
	Long-term exposure: 1000 ppm, 1920 mg/m ³

DNEL

Range [%]	Substance
1 - <10	Alcylpolyglycoside, CAS: 110615-47-9
	Industrial, inhalative, Long-term - systemic effects: 420 mg/m ³ .
	Industrial, dermal, Long-term - systemic effects: 595000 mg/kg.
	general population, oral, Long-term - systemic effects: 35,7 mg/kg.
	general population, dermal, Long-term - systemic effects: 357000 mg/kg.
	general population, inhalative, Long-term - systemic effects: 124 mg/m ³ .
1 - <5	Ethanol, CAS: 64-17-5
	Industrial, inhalative, Long-term - systemic effects: 950 mg/m ³ .
	Industrial, inhalative, Acute - local effects: 1900 mg/m ³ .
	Industrial, dermal, Long-term - systemic effects: 343 mg/kg bw/d.
	general population, inhalative, Long-term - systemic effects: 114 mg/m ³ .
	general population, inhalative, Acute - local effects: 950 mg/m ³ .
	general population, dermal, Long-term - systemic effects: 206 mg/kg bw/d.
	general population, oral, Long-term - systemic effects: 87 mg/kg bw/d.

PNEC

Range [%]	Substance
1 - <10	Alcylpolyglycoside, CAS: 110615-47-9
	soil, 0,654 mg/kg.
	sediment (seawater), 0,048 mg/kg.
	sediment (freshwater), 0,487 mg/kg.
	sewage treatment plants (STP), 5000 mg/l.
	seawater, 0,005 mg/l.
	freshwater, 0,1 mg/l.
1 - <5	Ethanol, CAS: 64-17-5
	oral (food), 0,72 mg/kg.
	soil, 0,63 mg/kg.
	sediment (freshwater), 3,6 mg/kg.
	seawater, 0,79 mg/l.
	freshwater, 0,96 mg/l.

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 5 / 9

8.2 Exposure controls

Additional advice on system design	not applicable
Eye protection	Safety glasses.
Hand protection	In full contact: Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	not applicable
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.
Respiratory protection	not applicable
Thermal hazards	no
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	light yellow
Odor	pleasant
Odour threshold	not determined
pH-value	7-8 (5g/l)
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	not determined
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,03
Bulk density [kg/m ³]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not determined
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 6 / 9

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

not determined

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
1 - <10	Alcylpolyglycoside, CAS: 110615-47-9
	LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
	LD50, oral, Rat: > 2000 mg/kg (84/449/EEC B1).
1 - <5	Ethanol, CAS: 64-17-5
	LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
	LD50, oral, Rat: 10470 mg/kg (OECD 401).
	LC50, inhalative, Rat: 117-125 mg/l/4h (OECD 403).
	NOAEL, Rat: > 3000 mg/kg/d (24 month OECD 451).

Serious eye damage/irritation Slight irritant effect - does not require labelling.

Skin corrosion/irritation Slight irritant effect - does not require labelling.

Respiratory or skin sensitisation not determined

Specific target organ toxicity — single exposure not determined

Specific target organ toxicity — repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity not determined

Carcinogenicity not determined

General remarks Alkylpolyglycoside does not require a hazard warning label in quantities < 12,5% active substance.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
1 - <5	Ethanol, CAS: 64-17-5
	LC50, (96h), <i>Oncorhynchus mykiss</i> : 13000 mg/l (OECD 203).
	LC50, (48h), <i>Daphnia magna</i> : 12340 mg/l.
	EC50, (72h), Algae: 275 mg/l (OECD 201).
	EC50, (48h), <i>Selenastrum capricornutum</i> : 12900 mg/l (OECD 201).

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 7 / 9

12.2 Persistence and degradability

Behaviour in environment compartments

not determined

Behaviour in sewage plant

The product can cause foaming in sewage treatment plants.

Biological degradability

The product is readily biodegradable to OECD criteria.
The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

For recycling, consult manufacturer.

Waste no. (recommended)

070601*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150102
150110*

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 8 / 9

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830

TRANSPORT-REGULATIONS DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- Observe employment restrictions for people Observe employment restrictions for young people.

- VOC (1999/13/CE) 5 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H319 Causes serious eye irritation.
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.

SONETT GmbH
88693 Deggenhausen

Date printed 17.06.2015, Revision 02.12.2014

Version 03. Supersedes version: 02

Page 9 / 9

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®/STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Modified position

none



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