

SONETT GmbH
88693 Deggenhausen

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SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1 Product identifier**SONETT Tabs****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

Eye Irrit. 2: H319 Causes serious eye irritation.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms**Signal word**

WARNING

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear 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.
 P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

Cleaner, 648/2004/CE, contains:

5 - <15% oxygen-based bleaching agents
 < 5% non-ionic surfactants
 < 5% anionic surfactant

2.3 Other hazards**Environmental hazards**

Does not contain any PBT or vPvB substances.

Other hazards

Further hazards were not determined with the current level of knowledge.

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SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
10 - <30	Sodium carbonate CAS: 497-19-8, EINECS/ELINCS: 207-838-8, EU-INDEX: 011-005-00-2, Reg-No.: 01-2119485498-XXXX GHS/CLP: Eye Irrit. 2: H319
10 - <25	Disodium carbonate, compound with hydrogen peroxide CAS: 15630-89-4, EINECS/ELINCS: 239-707-6, Reg-No.: 01-2119457268-30-XXXX GHS/CLP: Acute Tox. 4: H302 - Eye Dam. 1: H318 - Ox. Sol. 2: H272
1 - <10	Silicic acid, sodium salt (MV >2,6-<3,2) CAS: 1344-09-8, EINECS/ELINCS: 215-687-4 GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - STOT SE 3: H335
1 - <3	Castor oil, sulfated, sodium salt CAS: 68187-76-8, EINECS/ELINCS: 269-123-7 GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315

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	not applicable
Inhalation	not applicable
Skin contact	When in contact with the skin, clean with soap and 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	Get medical advice. 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

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:
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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Forms slippery surfaces with water.

6.2 Environmental precautions

Retain and dispose of contaminated wash water.

6.3 Methods and material for containment and cleaning up

Take up mechanically.

Flush away residues with water.

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 or smoke when using this product.

Use barrier skin cream.

Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Provide alkali-resistant floor.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.

Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational
exposure limits to be monitored (GB)

not applicable

DNEL

Substance

Disodium carbonate, compound with hydrogen peroxide, CAS: 15630-89-4

Industrial, inhalative, Long-term - local effects: 5 mg/m³.

Industrial, dermal, Acute - local effects: 12,8 mg/cm².

general population, dermal, Acute - local effects: 6,4 mg/cm².

PNEC

Substance

Disodium carbonate, compound with hydrogen peroxide, CAS: 15630-89-4

sewage treatment plants (STP), 16,24 mg/l.

freshwater, 0,035 mg/l.

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8.2 Exposure controls

Additional advice on system design	Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0,4 mm Butyl rubber, >120 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Not required under normal conditions.
Other	Avoid contact with eyes and skin.
Respiratory protection	Not required under normal conditions.
Thermal hazards	not applicable
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	tablet
Color	whitish
Odor	odourless
Odour threshold	not applicable
pH-value	not applicable
pH-value [1%]	> 10
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	not determined
Bulk density [kg/m³]	not determined
Solubility in water	soluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Autoignition temperature [°C]	not applicable
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

The product is stable under standard conditions.

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10.3 Possibility of hazardous reactions

Reactions with acids and strong oxidizing agents.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, oral, > 2000 mg/kg.
Substance
Sodium carbonate, CAS: 497-19-8
LD50, dermal, Rabbit: > 2000 mg/kg.
LD50, oral, Rat: 2800 mg/kg.
LC50, inhalative, Rat: 2,3 mg/l (2 h).
Disodium carbonate, compound with hydrogen peroxide, CAS: 15630-89-4
LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
LD50, oral, Rat: 1034 mg/kg.

Serious eye damage/irritation	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Irritant Classification was carried out based on substance-specific concentration limits.
Skin corrosion/irritation	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available. Calculation method
Respiratory or skin sensitisation	Does not contain a relevant substance that meets the classification criteria.
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available. Calculation method
Specific target organ toxicity — repeated exposure	Does not contain a relevant substance that meets the classification criteria.
Mutagenicity	Does not contain a relevant substance that meets the classification criteria.
Reproduction toxicity	Does not contain a relevant substance that meets the classification criteria.
Carcinogenicity	Does not contain a relevant substance that meets the classification criteria.
Aspiration hazard	Does not contain a relevant substance that meets the classification criteria.
General remarks	

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.

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SECTION 12: Ecological information

12.1 Toxicity

Substance
Sodium carbonate, CAS: 497-19-8
EC50, (48h), Daphnia magna: 200 - 227 mg/l.
EC50, (96h), Lepomis macrochirus: 300 mg/l.
Disodium carbonate, compound with hydrogen peroxide, CAS: 15630-89-4
LC50, (96h), Pimephales promelas: 70,7 mg/l.
EC50, (48h), Daphnia pulex: 4,9 mg/l.
NOEC, (48h), Daphnia pulex: 2 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	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

No information available.

12.4 Mobility in soil

No information available.

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

Dispose of as hazardous waste.
Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended) 070608*
200129*

Contaminated packaging

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

Waste no. (recommended) 150110*

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SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

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 (2016).

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) 0 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H335 May cause respiratory irritation.
H315 Causes skin irritation.
H272 May intensify fire; oxidiser.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

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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**

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

Modified position

SECTION 2 deleted: R 36: Irritating to eyes.

SECTION 2 deleted: Irritant

SECTION 2 been added: P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

SECTION 2 been added: Further hazards were not determined with the current level of knowledge.

SECTION 8 been added: Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

SECTION 11 been added: Does not contain a relevant substance that meets the classification criteria.

SECTION 11 been added: Based on the available information, the classification criteria are fulfilled.

SECTION 11 been added: Irritant

SECTION 11 been added: Classification was carried out based on substance-specific concentration limits.

SECTION 11 been added: Based on the available information, the classification criteria are not fulfilled.

SECTION 11 been added: Calculation method

SECTION 11 deleted: There is no evidence of any mutagenic effects.

SECTION 11 deleted: There is no evidence of any reproductive toxicity effects.

SECTION 11 deleted: There is no evidence of any carcinogenic effects.

SECTION 11 been added: Toxicological data of complete product are not available.

SECTION 13 been added:

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