



**sonett**  
ECOLOGICALLY CONSCIENTIOUS

# Organic soaps and detergents

protecting natural water  
resources, the essence of life

## Product Information 2022



**Sonett – test winner**  
In the issue of the magazine  
ÖKO-TEST 01/2021  
Sonett Hand Soap Citrus  
was evaluated as “very good”.  
**Sonett – so good.**



**Sonett was  
awarded the  
German Sustainability  
Prize 2022**  
**Sonett – so good.**



reddot design award  
winner 2012



2013

Sonett was granted two prestigious design awards: the Red Dot Award 2012 and the iF Design Award 2013. Sonett has been awarded with prizes for a pioneering, smart and trend-setting design. Design: [www.lierl.de](http://www.lierl.de)



# Sonett: unique over

**Sonett has set standards for 40 years.** In the beginning, there were the water and the natural scientist Johannes Schnorr who by using the drop picture method detected the extent to which drinking water was polluted by laundry detergent surfactants as early as the late 1960s. This was the incentive for the Company Sonett to be founded in 1977, and thus the idea of environmental-friendly washing in a modular system was born. The washing substances can

be made use of at their best, only when detergent, softener and bleaching agent are dispensed separately. Abstaining from any petrochemical raw materials, deliberately renouncing genetic engineering, using no enzymes but rather oils and essential oils derived from organic plants, continues being the ecological criteria applied to date for sustainable washing and cleaning. **Effective, ecological, caring, and sensible** We understand sustainability

as going far beyond pure ecology. Sonett considers itself a pioneer not only regarding their products' efficiency and economic use, but also as far as structuring the company in a socially acceptable way. The labelling of many of the Sonett products is carried out by disabled people at the **Camphill Workshops Lehenhof** close by. Sonett's joint management is based on partnership principles and has been transferred to the Non-Profit Foundation Sonett



**ÖKO-TEST**  
 Sonett GmbH  
 Handseife Citrus  
 300 ml  
**sehr gut**  
 Ausgabe 01/2011



# the last 40 years

already some years ago. We see the purpose of our work in not only wanting to decrease pollution of nature and, above all, water, but we rather consider water to be the essence of all life and wish to respect and revitalize it. To this end, we energize our entire production water in twelve egg-shaped glass vessels and rhythmise our laundry detergent preparations by moving them in the **Oloid** in eight-shaped loops. Our providers for electricity are the hydro-

electric power station close by and Greenpeace Energy. Jointly with the Lehenhof Workshops we run an **ecological heating system** with wood. **Pioneering Design** Our new appearance was granted the internationally renowned „reddot award“ in 2012, and once again in 2013 the „iF communication design award“ for a pioneering, smart and trend-setting design.  
[www.sonett.eu](http://www.sonett.eu)



### Sonett has been a pioneer in ecological laundry detergents and cleaning agents since 1977

The Sonett products are now available in almost all European countries. Demand is also steadily increasing in non-European countries. Our company headquarters are in Deggenhauseral, near Lake Constance. Approximately 90 % of the Sonett products are sold via the health food trade.

Sonett currently has approximately 120 employees and is growing continuously.

**Our corporate philosophy and quality concept is based on anthroposophic spiritual science.**

#### **Dynamized ingredients**

Considering it our responsibility to renaturalize water which has been used for laundry washing and cleaning, we add to our products substances which have been rhythmatised in an oloide mixer, and work with process water that is swirled in twelve egg-shaped glass vessels.

#### **Selection of the raw materials**

All of the ingredients we use are completely biodegradable and free of enzymes, petrochemical surfactants, fragrances, dyestuffs, preservatives, bleach activators, etc.

#### **Raw materials from controlled biodynamic and organic cultivation**

100 % of the olive oil, rapeseed oil, sunflower oil, coconut oil and shea butter we use, as well as all the essential oils, originate from controlled organic cultivation.

#### **Sources of energy**

Half of the electricity we consume comes from Greenpeace Energy and the other half from a small hydroelectric plant in our closest neighbourhood. We share a woodchips heating system with the Camphill Workshops Lehenhof.

#### **Certified ecological quality**

The entire Sonett Assortment has been certified according to the criteria of NCP (Nature Care Product), the premium symbol for ecological laundry detergents and cleaning agents offered in wholefood shops. Owner of the label is the Association for Applied Business Ethics.

Sonett is certified with the label ClimatePartner which is being rechecked by the TÜV Austria every year. The label certifies the analysis of the entire enterprise regarding the CO<sub>2</sub> emissions of all of the operational processes in accordance with the Greenhouse Gas Protocol. The analysis proves that Sonett hardly generates CO<sub>2</sub> emissions due to heating and electrical energy. The unavoidable CO<sub>2</sub> emissions are compensated according to the gold standard by supporting climate protection projects.

#### **Certified sustainable business management**

Since 2015 Sonett has been certified according to the CSE standard (Certified Sustainable Economics) of the Association for Applied Business Ethics. Contrary to pure product certification, this label comprises the entire company. In addition to

ecological product requirements, the company's social and ethical orientations are certified.

#### **Common Property**

To us, company capital is not a private affair, but rather a common good.

That is why we have transferred the shares of the Sonett Company to a foundation. The non-profit Foundation Sonett promotes water research, developing alternative testing methods that do not involve experiments on animals, training in connection with research in formative forces, as well as other ecological, cultural and artistic initiatives embodying the spirit of anthroposophy.

Furthermore, by taking this step, the entire enterprise Sonett can no longer be bequeathed or sold any more and the ground has been ideally prepared for future company succession. This does no longer depend on being a family member or on one's financial strength, but merely on the successor's capability to manage the company in the spirit of Sonett, fulfilling our credo: **Organic soaps and detergents protecting natural water resources, the essence of life**

Sonett staff members in front of the new logistics warehouse.



## Sonett Products: Certified and controlled ecological laundry detergents and cleaning agents

### Why bother to have the products certified at all?

Initially, implementing certification, according to ecological standards, by law through the EU Regulation on Organic Production, has been provided for only as far as foodstuffs are concerned. Independent authorized inspection bodies monitor the compliance of the standards with the EU Regulation on Organic Production, e.g. according to the guidelines of the German organic label "Bio-Label", or the Demeter and Bioland criteria, amongst others. There is no such "directive on organic production" for ecological cosmetics, laundry detergents or cleaning agents. Only the general legal provisions are applicable for them. It is in this very field, however, where assessment of the products' ecological quality is extremely difficult.

### Cosmetics and Body Care:

Even though we come across an almost complete statutory list of ingredients (INCI), without any previous chemical knowledge these ingredients remain unknown materials, however, more or less nice-sounding denominations—so to speak—without any meaning.

### Laundry Detergents and Cleaning Agents:

In the case of laundry detergents and cleaning agents it is but a few selected ingredients that have to be declared with their generic names such as fragrances, dyestuffs, enzymes, anionic, non-ionic or cationic surfactants, and preservatives, which means that even with previous chemical knowledge the actual ingredients are not identifiable.

For some of the laundry detergents and cleaning agents a European Eco-label, the EU flower, has been applied over the last few years. But, contrary to popular belief, this symbol is no ecological certificate. It only verifies that the product—compared to other conventional products—washes

or cleans efficiently and does not contain certain harmful ingredients. Optical brighteners, softeners, enzymes, synthetic fragrances and colourings, etc. are allowed. But since it is this very measurement which cannot be applied to ecological laundry detergents and cleaning agents, the ecological message of this label is nil.

An ecological certificate of an authorized entity such as BDIH—e.g. its label "kontrollierte Naturkosmetik BDIH" (= certified natural cosmetics BDIH) or the NCP (Nature Care Product) Certificate of the Association for Applied Business Ethics, can assure the consumer that the formulae contain no harmful substances.

For more detailed information regarding the topic "certification" visit [www.sonett.eu](http://www.sonett.eu).

## Sonett Quality

- All the active washing substances (surfactants) are derived from vegetable raw materials, thus being 100 % biodegradable.
- We do not use any petrochemical preservatives, petrochemical fragrances or dyestuffs; all of our products are completely free of enzymes, GMO and nanotechnology.
- We use pure vegetable soap derived from oils of 100% certified organic cultivation.
- Our products' fragrances are composed of natural essential oils, also originating from 100% certified organic, organic-dynamic cultivations and wild-growing plants.
- All of the ingredients are entirely declared.
- For this reason all of our Sonett products are extremely hypoallergenic thus being indicated for many allergy-prone people.
- Additionally, our entire process water is swirled in 12 egg-shaped glass vessels.
- With our balsamic detergent additive, rhythmicised in the oloid mixer, we give nature an invigorating impetus.



[nature-care.cc](http://nature-care.cc)

### The NCP Label (Nature Care Product) certifies:

- The use of organically grown raw materials
- Containing no enzymes of GMO
- Optimum biodegradability
- Recyclable packaging
- Controlled by EcoControl Germany



[natural-cosmetics.cc](http://natural-cosmetics.cc)

### The NCS Label (Natural Cosmetics Standard) certifies:

- The use of organically grown raw materials
- No GMO
- No microplastics
- No parabens, silicones and phthalates
- Environmentally friendly, recyclable packaging
- Controlled by EcoControl Germany



[cse-label.org](http://cse-label.org)

### The CSE Label stands for:

- Certified sustainable business management of the Association for Applied Business Ethics
- CSE = Certified Sustainable Economics
- Contrary to pure product certification, this label comprises the entire company. In addition to ecological product requirements, the company's social and ethical orientations are certified.



Reg. by. Vegan Society

### The Vegan Society Label certifies:

- No animal ingredients are contained.
- Sonett does not carry out any animal experiments nor does the company give respective orders to do so.
- All of our Sonett products carry the Vegan Society label, with the exception of Sonett Wool Care, Sonett Gall Soap (bar and liquid), Sonett Floor Mopping Fluid as well as Sonett Bio Bubbles, which contain animal ingredients.

## Sonett Quality Criterion

In order to be able to fully assess the quality of a product, one has to look at the product itself first: its ingredients, manufacturing process, and biodegradability. But, apart from that, the quality of a product is also influenced by: the people producing it, the social structure of the company, its capital structure, the cooperation between producer, dealer and consumer, and, last but not least, the impact made by the enterprise itself, its motives and general principles.

## Initial Incentive

It was as early as the late 1960s that the natural scientist Johannes Schnorr did research on flow analysis at the Institut für Strömungswissenschaften in Herrischried (Institute for Flow Sciences), this being the initial incentive for the development of Sonett's Laundry Detergents and Cleaning Agents.

In order to assess the quality of waters and drinking water, a method was developed to the effect that the quality of the water is holistically evaluated, in addition to the chemical analysis regarding individual substances such as active washing substances, heavy metals, pesticides, and organic chlorine compounds. This is done by means of the drop-picture method (see fig. below).

**The drop-picture method** can tell us something about the quality of the water same being the essence of all life as well as foodstuff. Thanks to this method, Johannes Schnorr was able to prove the existence of surfactants in the drinking water. These surfactants were primarily to be found in residual laundry detergents and cleaning agents, which could not be degraded in nature or only to a certain extent. These residues were to be encountered in groundwater as well as in lakes and rivers where they caused enormous accumulation of foam at dams and sluices. It was only much later that laws were passed requiring minimum degradability.

Said experience with the drop pictures were the incentive for Johannes Schnorr to come up with the concept of a novel environment-compatible laundry detergent, the idea for this new detergent being: rapid and complete biodegradability of all the laundry detergents' ingredients and to use raw materials as sparingly as possible.

### This was the moment when Sonett's modular system was born.

Caring and feeling responsible for water as the essence of all life, has made Sonett come into life. Water as such is the actual laundry detergent and cleaning agent. By using readily and completely biodegradable raw materials such as purely plant-derived soaps, sugar surfactants, and minerals such as sodium carbonate and silicates, we increase the washing performance of the water, at the same time fostering its being returned to and reintegrated into the natural cycle. Doing the laundry and cleaning are "cultural achievements" which, though useful to man, do pollute the water. We consider it our task to do the laundry and cleaning in harmony with nature, and especially with the water, in a considerate and revitalizing way.

## Manufacturing the Sonett Products

Our entire range of laundry powders, liquid laundry detergents, and cleaning agents are produced in the Sonett Plant at Deggenhausen.

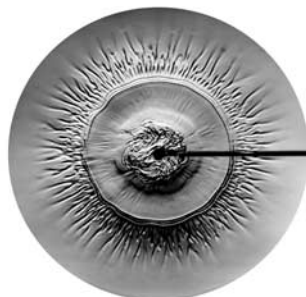
**Our liquid soaps** are manufactured in a procedure of chemical reaction, transforming the oils into soap without applying any energy, instead of using the conventional energy-intensive soap boiling.

**Considerable part of our labeling** is carried out by disabled people at the Camphill Workshops Lehenhof. This offers Sonett a great flexibility in working in small batches; taken into account the great variety of languages regarding our labeling, this is a perfect addition. As far as the Lehenhof Workshops are concerned, this cooperation creates socio-therapeutic jobs and income for their sheltered people.

**Sources of energy** Half of our electrical energy we obtain straight from a small hydroelectric power station close by, whose capacity is used up almost entirely by our company. The other half is supplied by Greenpeace Energy.

Our heating we provide by jointly operating a state-of-the-art wood-chips plant with Camphill Workshops Lehenhof.

Undegraded laundry detergent in water



Tap water of moderate quality



Spring water of good quality



Source: Learning to Understand Water, Institute of Flow Sciences, Herrischried 1995

## The 3 Sonett Quality Levels

### Quality Level 1:

#### Selection of raw materials

**Sonett laundry detergents and cleaning agents contain no ingredients which are considered hazardous to the environment and health, or causing allergies.**

This means that no artificial fragrances or dyestuffs, no synthetic preservatives, no enzymes, no phosphates and optical brighteners, no petrochemical bleaching agents which are difficult to degrade, and no petrochemical or partially petrochemical active washing substances (surfactants) are used.

#### Active washing substances

The centerpiece of all the laundry detergents and cleaning agents are the active washing substances. As a matter of principle we use pure plant-derived soap wherever possible. Soap is the active substance coming closest in its properties to man and nature. It is rapidly and completely bio-degradable and, compared to all the other active washing substances, it has the outstanding property that right after its use it reacts chemically with the limescale always present in waste water, forming calcium soap. As a result, the surfactant effect of the soap on live aquatic organisms is being neutralised (primary degradation). Subsequently the calcium soap is 100 % micro-organically decomposed into carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O) (secondary degradation).

In order to further improve the soap's performance we use coconut oil alcohol sulphates and sugar surfactants made from coconut and sugar derived from corn or potato starch. Thanks to their unchanged natural inner molecular structure these surfactants are easily detected by microorganisms and are, therefore, rapidly and 100 % bio-degraded. In its compatibility with man and environment this group of surfactants comes closest to that of soap.



We do not use any ethoxylated products such as fatty alcohol ether sulphates or fatty alcohol ethoxylates. The use of them is widespread and they are often described as being "non-ionic surfactants based on renewable raw materials." Ethoxylated surfactants are made from fats and oils which are modified using the petrochemical ethylene oxide. All ethoxylated surfactants, due to their method of manufacture, always contain small quantities of the known toxic substance dioxane the carcinogenic and mutagenic effects of which are well-known.

#### Fragrances

**Natural essential oils have been added to some of the Sonett products.** These are used, on the one hand, for their germ-inhibiting effect, and, on the other, for enjoyment and well-being during washing and cleansing. Natural essential oils, which have been developed in the course of the year under light and heat, have a harmonizing effect on the entire human body and have, therefore, been used successfully to cure physical and psychological diseases.

Whereas synthetic aromatic substances which are obtained from waste of the pulp industry, such as vanillin used in large quantities, or the synthetic aromatic substances obtained from petroleum derivatives have an opposite effect. They lead to irritation of the nervous-sensory system, proven by studies of hyperactive children in the USA and Europe. Cheap essential oils are often adulterated with synthetic aromatic substances.

#### Note:

**As a matter of principle we do not use enzymes in order to have fat (lipases), protein (proteases), and amylum (amylases) degrade more easily at low temperatures.** Enzymes are to be found in almost every conventional laundry detergent as well as in all of the dishwasher detergents. Enzymes are proteins occurring in all plants, animals, and humans. They are involved in every metabolic process. Therefore, enzymes are no chemical substances dissolving or binding dirt; they rather act as organic catalysts that virtually "eat up" dirt. They are isolated from fungi or bacteria.

This constitutes a major problem. Enzymes are integrated in a live organism and fulfill their specific function. They represent a harmonious component of the respective living organism. If they are detached from this organic correlation to achieve a certain effect, enzymes are no longer able to distinguish for example between greasy food residues and human cutaneous lipids, and, via enzyme residues in the dry laundry, at random attack the skin wherever it is most moist, i.e. in the neck, elbow, arm pits, etc. thus resulting in sensitisations which, in turn, may cause allergies.

Furthermore, there is the problematic nature of genetic engineering as such. Nowadays almost 100% of all

enzymes used in laundry detergents are derived from GMOs. If such organisms, artificially modified by man to extreme imbalance, were to integrate into the environment, the consequences thereof would be unmanageable and irreversible (see also Sonett Info: Genetic Engineering in Laundry Detergents).

We have come to consume metabolic products of these manipulated organisms as "lab ferments" in Swiss high-quality cheese, as a fermentation accelerant in French champagne, as a baking aid in our bread and as "valuable vitamin supplements" in so-called functional food.

The most recent development takes one more step toward manipulation.

Even the protein structure of the enzymes is genetically modified, so that the enzymes thereof no longer occur naturally; the justification for this even farther-reaching manipulation of the organism being, amongst other things, improved resistance to heat or increased compatibility with bleaching agents.

**Beware of the label: „enzymes guaranteed not to be genetically modified“!**

This description is used for enzymes which do indeed originate from GMOs but the protein structure of which has not been modified.

## The 3 Sonett Quality Levels

### Quality Level 2:

#### Raw materials from certified organic cultivation

In addition to the criteria of quality level 1, we increasingly use raw materials from bio-dynamic or certified organic cultivation, such as olive oil, rapeseed oil, sunflower oil, coconut oil, palm oil, essential oils, and balsamic additives.

#### What is the reason for using certified organically grown raw materials in laundry detergents and cleaning agents?

In ancient cultures, the cleansing of the body and of the garments was a ritual act. By undergoing ritual cleansing, man got rid of his base impurities in order to turn to spiritual matters in purity. Bodily cleansing and spiritual purification were the very same.

Nowadays, doing the laundry, cleaning, and washing the dishes seems to have become a task to carry out as quickly as possible and, preferably, along with other things – a necessary evil. Yet, cleanliness continues playing a, by no means insignificant, emotional role: Why would we, otherwise, feel the need to wear clean clothes? Why do we feel so incredibly good snuggled up in a freshly made bed? Why do we arrange and clean our house before receiving visitors or celebrating a party? Orderliness and cleanliness have something liberating and satisfying about them which has an impact on one's soul.

It is but logical that the substances we use to wash and clean with should comply with this feeling of

cleanliness as well. Despite giving the impression of cleanliness, "unclean" agents only pretend to achieve "bright cleanliness", "snug-and-soft touch" or "an even brighter white".

For the development of formulae for detergents and cleansers, a wide range of substances are available, derived from minerals, plants, animals, and crude oil. If we apply the above criterion, the selection is reduced to purely mineral and plant-derived raw materials. Minerals and plants are pure per se. It is only with animals and human beings that excretion occurs and that the need to keep oneself clean arises.

Petroleum is a plant-derived substance, developed due to the exclusion of air and light, and on account of having been exposed to high pressure in geological eras long gone by. Hidden away in earth's strata, it fulfills its task within earth's life structure. Once exposed, it is a substance extremely hostile towards live organisms, destroying cropland, and which can barely be degraded by natural microorganisms, and as fuel and energy source is the main culprit for the CO<sub>2</sub> pollution of the atmosphere.

But this "purity law", involving restriction to mineral and plant-derived raw materials, and in particular the avoidance of petrochemical substances, only has very restricted validity. Using conventional methods of cultivation, the plants are being disturbed, contaminated and violated in their development. With "normal" methods of cultivation, plants are no longer plants in the true sense. The use of artificial fertilizers alone reduces root growth dramatically. Leaves, petals and fruit become enlarged and fattened, the taste is watered down and fragrances are diminished. Due to monocultures and

the lack of sequenced crop rotation, conventional cultivation makes regular use of herbicides, pesticides and means of enhancing storage stability. Contamination due to chemical residues in the plants cannot be avoided and are, therefore, officially permitted. Exclusively yield-oriented cultivation also brings the natural imbalance between plants and animals to the extreme and beyond, e.g. in cows which drag their overdeveloped milk udders over the ground with difficulty or the corn which can produce its ears only with the aid of chemical stem shortening agents. Genetic engineering takes this violation of nature a step further. By tampering with the nucleus of the cell, the plant is forced to make a fundamental change to its metabolism and creative potential, solely to serve financial interests and without any appreciation for the essence of the plant.

Plants treated this way and raw materials derived from such plants, e.g. fatty oils or essential oils, have lost largely in their vitality and dynamics compared to those plants originating from bio-dynamic or certified organic cultivation. With the aid of holistic research methods, such as spagyric crystallization or biophoton measurement, etc., the differences in quality between plant-derived raw materials originating from organic cultivation and those from conventionally cultivated plants can be demonstrated to spectacular effect.

Now, one could assume that by chemical conversion of, for instance, oils into soap by means of lye and the effect of heat, none of the initial biological quality would survive. Yet the spagyric method shows us quite the opposite: For several hours plants are being macerated, in heat, with water and alcohol, and parts of the plant

are incinerated and calcined at over 600 °C (1112 °F). The spagyric essences and salts obtained show increased photon radiation, creative potential and potency if the plant itself was of higher quality. Obviously the initial quality of the plant and its further adequate processing are a decisive factor.

It is for this reason, that we use large amounts of oils and essential oils from certified bio-dynamic and organic cultivations. (More information to be found in the detailed descriptions of each product).

In those cases where no organic raw materials are used, they are either mineral substances or they do not exist at the organic quality level, e.g. sugar-based surfactants or coconut oil alcohol sulphate, or their costliness is an impediment to their use. To consistently continue this quality commitment, one of our basic concerns is to manufacture laundry detergents and cleaning agents which are humane and thus also kind to nature.

Apart from Sonett it is only very few other manufacturers of ecological laundry detergents and cleaning agents that have this approach towards quality level 2, namely to use raw materials from organic cultivation whenever possible.

Olive tree



Lemongrass



Rape



Lavender



**The 3 Sonett Quality Levels**  
**Quality Level 3:**  
 The dynamic quality

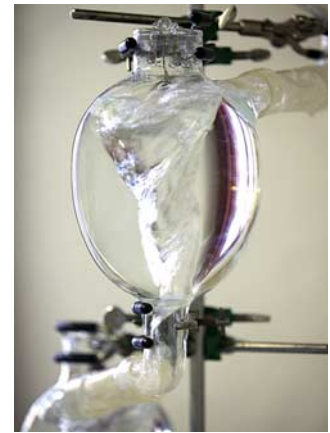
The third level of our Sonett quality is determined by the balsamic additives and by applying "life-fostering" technology. Furthermore we treat the entire processing water of our liquid products in a swirl chain of 12 egg-shaped glass vessels, in which the free-flowing water can form beautifully shaped vortices, thus recharging its energy.

In an oloid mixer we rhythmise the balsamic additives, which consist of frankincense, gold, myrrh resin, laurel leaves, olive oil, rose salts and mistletoe, and add them, in small doses, to the finished laundry detergents and cleaning agents. To our knowledge, only Sonett deals with the topic of rhythmisation and applying "life-fostering technology" in the field of ecological laundry detergents and cleaning agents. We strive to counteract the centrifugal movements of rotating mixers and bottling machines, which tend to be hostile towards life, by adding these rhythmised balsamic additives thus creating a revitalising lemniscatic impulse.

Thanks to the first crystal analysis studies it was possible to illustrate the specific quality of the additives treated in this manner. Judge for yourself as for the effect of this preparation on the crystal patterns (see illustrations below).



Oloid mixer



One of the 12 water-swirling

**Balsamic additives**



Frankincense



Gold



Myrrh resin



Laurel leaves



Olive oil



Rose salt

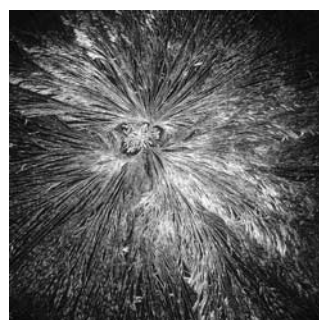


Mistletoe

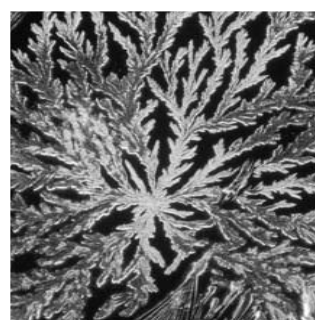
Cristal pattern of Sonett's detergent additive 20fold enlarged



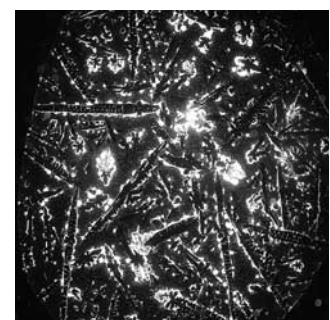
Cristal pattern of Sonett's laundry powder 20fold enlarged



Cristal pattern of Sonett's laundry powder 200fold enlarged



Cristal pattern of a "mega-pearl" laundry detergent 20fold enlarged





## Sales Arguments

When assessing the ecological quality of laundry detergents and cleaning agents, one may distinguish between 3 levels:

### 1. Selecting ecologically acceptable ingredients and avoiding those which are harmful to the environment and health.

This criterion is complied with by several companies—yet their selection differing considerably in intensity and consistent follow-through.

### 2. Raw materials such as vegetable oils, essential oils, and alcohol, obtained from bio-dynamic or organic cultivation.

To our knowledge, only a limited number of producers of ecological laundry detergents and cleaning agents have such an approach towards quality.

### 3. Rhythmatized additives in detergents and swirled water.

To our knowledge, only Sonett deals with the topic rhythmatisation and applying “life-fostering technology” in the field of ecological laundry detergents and cleaning agents.

## Arguments regarding Quality Level 1

Selecting ecologically acceptable ingredients and avoiding those which are harmful to environment and health.

### Clear dividing lines at this level are to indicate the ingredients absent in the Sonett products:

- **No** petrochemical raw materials (excepting poly aspartic acid in the Sonett Tablets for Dishwashers)
- **No** petrochemical or semi-petrochemical surfactants
- **No** synthetic fragrances
- **No** synthetic dyestuffs
- **No** synthetic preservatives
- **No** genetically engineered raw materials
- **No** enzymes
- **No** phosphates
- **No** optical brighteners (pure petrochemicals, difficult to de grade; they transform UV light into light which appears blue to our eyes)
- **No** animal fat or other raw materials obtained from carcasses  
Exception: bovine gall in gall soap (Raw materials obtained from live animals: Lanoline)

### Plant-derived and mineral raw materials only, instead of those made from petrochemicals:

- (Exception: carboxymethyl inulin and tetrasodium glutamate diacetate in the Sonett Tablets for Dishwashers)
- Purely vegetable surfactants (active washing substances):  
Soaps made from vegetable oils, sugar surfactants, coconut oil alcohol sulphate, obtained from sugar, starch, coconut respectively
  - Pure essential oils
  - Vegetable alcohol
  - Citric acid in food-grade quality
  - Sodium carbonate, silicate, alumina, pumice powder and lime meal

### Ecological ingredients and packaging:

All of the Sonett products are rapidly and completely biodegradable regarding their organic ingredients. The mineral ingredients need no further degradation in nature. The packaging is made of materials readily recyclable such as paper, cardboard box consisting largely of recycling material, as well as of PE and PP.

### Special features of the Sonett Products regarding their ingredients:

Doing the laundry in a modular washing system instead of using a heavy duty detergent. In traditional heavy duty detergents, the detergent, softener and bleaching agent are all mixed into one component. If the components are separate from each other, as is the case with the Sonett modular washing system, the respective detergent may be used in ideal dosage, according to the local water hardness and the degree of soiling—this being the most economical and ecological way of doing your laundry.

- **Basic detergent:** Made from pure vegetable soap with coconut oil alcohol sulphate and sugar surfactant
- **Bleaching agent:** Pure oxygen bleach (sodium percarbonate)
- **Softener:** Silicates (zeolite), sodium carbonate and salt of citric acid instead of phosphates

### Full Declaration:

It is not at all customary that all of the ingredients, inclusive of all essential oils, are fully declared according to their chemical denominations. Full declaration is to be found on all Sonett Products.



### Arguments regarding Quality Level 2

Raw materials obtained from certified bio-dynamic, organic cultivation and (collection of) wild-growing plants

**• Fats and oils for manufacturing the liquid soaps, the granules and the bars thereof:**

- Olive oil, 100 %
- Palm oil, 100 %
- Coconut oil, 100 %
- Rapeseed oil, 100 %
- Sunflower oil, 100 %

**• Essential oils:**

- Lavender, 100 % cert. org. grown
- Lemongrass, 100 % cert. org. grown
- Winter savory, 100 % cert. org. grown
- Citronella, 100 % cert. org. grown
- Coriander, 100 % cert. org. grown
- Cajuput, 100 % cert. org. grown
- Clary sage, 100 % cert. org. grown
- Rose geranium 100 %, Demeter
- Rosemary, 100 % cert. org. grown
- Palmarosa, 100 % cert. org. grown
- Bergamot, 100 % cert. org. grown
- Sweet orange, 100 % cert. org. grown
- Pepper, Rhododendron, Mint, 100 % cert. org. grown
- and others.

### Arguments regarding Quality Level 3

Rhythmatised Detergent Additives and Swirled Water

**Rhythmatised Detergent Additives**

In many products Sonett employs balsamic additives, which are rhythmatised in the oloid mixer. These balsamic additives consist of gold, frankincense, myrrh resin, laurel leaves, olive oil, rose salts. These constituents are finely ground und emulsified with water. They are then rhythmatised in an oloid mixer in lemniscatic figure-eight movements, and added, in small dose, to the Sonett products during the manufacturing process.

Whereas the centrifugal movement tends to have a life-destroying impact, the pulsating figure-eight movement of inversion has a revitalizing effect.

**Swirled Water**

Water constitutes the main raw material of all the liquid laundry detergents and cleaning agents. Water meanders in its natural environment, makes waves and swirls. All the processing water in the Sonett production is swirled by passing through twelve glass vessels without under-going pressure. The water's very own forces are being supported and strengthened.

### Sales Tools:

- Colour brochure
- Brochure stand
- Info sheets
- Laundry Guide for ecological washing
- Poster
- Carrier bags
- Product samples



## Laundry Powder 40–95 °C

(100–200 °F)

Component 1 in the  
Sonett Modular System



### Sales units / Containers:

4 x 1.2 kg cardboard box  
NET 42 oz

EAN Code: 4007547 10102 9

4 x 2.4 kg cardboard box  
NET 85 oz

EAN Code: 4007547 10091 6

1 x 10 kg cardboard box  
NET 22 lb

EAN Code: 4007547 10110 4

### Ranges of application:

Suitable for all coloured and white textiles made from cotton, linen, hemp and fabric blends of between 40 and 95 °C (100–200 °F).

Unsuitable for wool, silk, and micro-fibres.

Suitable for HE washing machines.

### Product declaration:

Soap derived from vegetable oils, certified organically grown . . . . > 30 %  
Clay minerals and silicates . . . . 15–30 %  
Sodium carbonate . . . . . 5–15 %  
Zeolite . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . . 1–5 %  
Balsamic additives, certified organically grown / collection from wildgrowing plants . . . . . < 1 %  
Powder humidity . . . . . 10–15 %

### List of ingredients as per

EC 648 / 2004: Sodium soap\*, sodium carbonate, bentonite, zeolite, sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), sodium silicate, sodium metasilicate, sodium disilicate \*certified organically grown

### Origin and properties of the ingredients:

The main active ingredient of the Sonett Laundry Powder is soap, manufactured from various plant-based oils—such as palm oil, rape seed, sunflower and coconut oil—by simmering them with alkaline solution. The oils originate 100 % from organic or biodynamic cultivation. Soap as an active washing substance uniquely amalgamates all of the properties required for the washing process—the moistening, dissolving, and absorbing of dirt. Sodium carbonate is a result of calcium reacting chemically with common salt. Metasilicate is obtained by melting quartz sand and sodium carbonate to form a compound. Sodium carbonate and metasilicate both intensify the washing lye, thanks to their alkalinity, and promote the removal of fatty substances in particular. Both zeolite A and phyllosilicate have silicate rock as their basic raw material. In addition to their property of binding lime in water, these substances also simultaneously bind the organic substances and colour pigments dissolved in the suds and prevent them from being deposited on the laundry. Fatty alcohol sulphate, derived from coconut oil, intensifies the soap’s fat-dissolving property.

### Special product feature:

It is the modular system with its separate dosage of the 3 main components of the detergent, namely:

- the active washing substances,
- the softener,
- and the bleaching complex, which really enables the optimal use of the individual substances, depending on the laundry’s degree of soiling, the water hardness and your individual wish for whiteness. For a soap-based detergent, soft water is an absolute precondition. Thanks to the modular principle, the basis is thus provided for making use of the unsurpassed advantages of soap even when hard water conditions prevail.

We abstain from using anticaking agents, fillers, optical brighteners, phosphates, and enzymes.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 0.65–0.75 g/cm<sup>3</sup>  
68 °F approx. 0.023–0.026 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g / litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz (US) H<sub>2</sub>O approx. 10–11

### Biodegradability:

Soap made from vegetable oils has one outstanding feature compared to all other active washing substances, namely that, right after its use, it loses its surface active properties immediately on chemically reacting with the calcium that is always present in waste water, and neutralises its effect on live organisms (primary degradation). The calcium soap thus formed is then 100% micro-organically degraded into carbon dioxide and water (secondary degradation). Coconut oil alcohol sulphate made from natural, renewable raw materials, during manufacturing remains intact in its internal molecular structure. Therefore, it is easily detected and degraded by microorganisms in the waste water, thus being reintegrated into the natural cycle rapidly and completely. The remaining constituents of the detergent—sodium carbonate, clay minerals, and silicates—are mineral substances which need no further degradation in nature. Soap and coconut oil alcohol sulphate are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Cardboard box: 100 % recyc. mat.  
Inner bag: PE  
Measuring cup: > 80 % recyc. mat.  
Printing ink: food grade  
Outer packaging: PE

**Dosage** for 4.5 kg (10 lb) washing machine. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)

### Degree of soiling:



Water hardness:	Laundry Powder	Softener	Laundry Powder	Softener	Laundry Powder	Softener
soft 0–8,4°dH	50 ml (1.7 fl oz US)	—	70 ml (2.4 fl oz US)	—	90 ml (3 fl oz US)	—
medium 8,4–14°dH	50 ml (1.7 fl oz US)	30 ml (1 fl oz US)	70 ml (2.4 fl oz US)	30 ml (1 fl oz US)	90 ml (3 fl oz US)	30 ml (1 fl oz US)
hard >14°dH	50 ml (1.7 fl oz US)	60 ml (2 fl oz US)	70 ml (2.4 fl oz US)	60 ml (2 fl oz US)	90 ml (3 fl oz US)	60 ml (2 fl oz US)

**Yield:** 2.4 kg (5.3 lb) of Laundry Powder are sufficient for 53 laundry loads = 240 kg (529 lb) of dry laundry (medium water hardness, normal soiling).

**Bleach Complex:** For white fabrics and stain removal, active from 50 °C (122 °F). **Dosage:** 60 ml (2 fl oz US)

100 ml (3.4 fl oz US) = 65 g (2.3 oz)

**Laundry Liquid**  
Lavender  
**30–95 °C (85–200 °F)**  
Component 1 in the  
Sonett Modular System



**Sales units / Containers:**

**15 x 120 ml sample bottle**  
**NET 4 fl oz US**  
EAN Code: 4007547 50122 5

**6 x 2 litre bottle**  
**NET 68 fl oz US**  
EAN Code: 4007547 50102 7

**1 x 5 litre canister**  
**NET 1.3 gal**  
EAN Code: 4007547 50152 2

**1 x 10 litre canister**  
**NET 2.6 gal**  
EAN Code: 4007547 50110 2

**1 x 20 litre canister**  
**NET 5.2 gal**  
EAN Code: 4007547 50090 7

**Ranges of application:**

Suitable for coloured and white textiles made from cotton, linen, hemp, and fabric blends; 30–95 °C (85–200 °F). Not suitable for wool and silk. Suitable for HE washing machines.

**Origin and properties of the ingredients:**

In this liquid detergent, soap, sugar surfactant and fatty alcohol sulphate complement each other, thus intensifying their effect. To obtain the soap, rapeseed/sunflower oil, certified organically grown, is being saponified in a special process of saponification without applying heat from the outside, using potassium hydroxide solution. Soap as an active washing substance uniquely amalgamates all of the properties required for the washing process – the moistening, the dissolving, and absorbing of dirt. Soap is intensified in this effect by the sugar surfactant and fatty alcohol sulphate, which are obtained by the chemical reaction of the purely plant-based raw materials sugar, starch and coconut oil with acids. At the same time this combination neutralizes the soap's drawback, i.e. calcium soap being formed, which may precipitate on the laundry should the softener not have been properly measured. The alcohol which is obtained by fermenting plant-based starch serves to keep the detergent liquid, thus enabling a highly concentrated active washing substance. Sulphated castor oil, also called turkey-red oil, is obtained by castor oil reacting chemically with sulphuric acid. It intensifies the detergents fat-dissolving property.

**Special product feature:**

Sonett's particularly energy-saving method of saponification, the use of oils and essential oils derived from certified organic cultivation, and its good value for money as far as the washing liquid's washing performance is concerned are the outstanding features of this product.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

Density: 20 °C approx. 1.027 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>

**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 8.5–9.5

At temperatures below 10–15 °C (50–60 °F), the product changes becoming slightly more solid and whitish; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

**Biodegradability:**

Soap made from vegetable oils has one outstanding feature compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water, resulting in calcium soap, thus neutralising its surfactant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants, coconut oil alcohol sulphate and sulphated castor oil, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Soap, sugar surfactant, coconut oil alcohol sulphate, and sulphated castor oil are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % recyc. mat.

**Product declaration:**

Soap from rapeseed / sunflower oil, certified organically grown . . . . . 5–15 %  
Sugar surfactant . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . . . 5–15 %  
Vegetable alcohol (ethanol) . . . . . 1–5 %  
Sulphated castor oil . . . . . <1 %  
Citrate . . . . . <1 %  
Natural essential lavender oil, certified organically grown . . . . . <1 %  
Gurjun balsam . . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648 / 2004:**

Aqua, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside, lauryl glucoside), sodium C8–C14 fatty alcohol sulphate (sodium octyl sulfate, sodium lauryl sulfate), alcohol denat., sulphated castor oil, sodium/potassium citrate, parfum\*, linalool\*, dipterocarpus turbinatus balm extract  
\*certified organically grown

**Dosage** for 4.5 kg (10 lb) washing machine. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)

**Application:** Fill Softener into the detergent compartment of the washing machine and Laundry Liquid into a measuring ball and put it straight into the drum.

**Degree of soiling:**



Water hardness:	Laundry Liquid	Softener	Laundry Liquid	Softener	Laundry Liquid	Softener
soft 0–8,4°dH	50 ml (1.7 fl oz US)	—	60 ml (2 fl oz US)	—	75 ml (2.5 fl oz US)	—
medium 8,4–14°dH	60 ml (2 fl oz US)	—	75 ml (2.5 fl oz US)	—	100 ml (3.4 fl oz US)	—
hard >14°dH	60 ml (2 fl oz US)	50 ml (1.7 fl oz US)	75 ml (2.5 fl oz US)	50 ml (1.7 fl oz US)	100 ml (3.4 fl oz US)	50 ml (1.7 fl oz US)

**Yield:** 2 litres (68 fl oz US) of Laundry Liquid are sufficient for 27 laundry loads = 120 kg (264 lb) of dry laundry (medium water hardness, normal soiling).

1 cap = 100 ml (3.4 fl oz US) **Bleach Complex:** For white fabrics and stain removal, active from 50 °C (122 °F). **Dosage:** 60 ml (2 fl oz US)

## Softener

Component 2 in the Sonett Modular System



**Sales units / Containers:**

4 x 500 g PP-can  
NET 18 oz  
EAN Code: 4007547 10292 7

4 x 1 kg refill package  
NET 35 oz  
EAN Code: 4007547 10271 2

1 x 5 kg cardboard box  
NET 11 lb  
EAN Code: 4007547 10310 8

UFI: W64T-AWDU-610M-NJMX

**Ranges of application:**

By adding the softener separately after previously having determined the amount necessary depending on the local water hardness, the detergent's most economical use is guaranteed. Laundry Powder: from water hardness 8.4 °dH upwards  
Laundry Liquid: from water hardness 14 °dH upwards

**Product declaration:**

Zeolith A . . . . . > 30 %  
Soda . . . . . 15–30 %  
Citrat . . . . . 5–15 %

**List of ingredients as per**

**EC 648/2004:**

Zeolite, sodium carbonate, sodium citrate

**Origin and properties of the ingredients:**

Zeolite A (sodium aluminium silicate), the softener's main ingredient, is made from the raw materials sodium silicate and sodium aluminate which are easily accessible. This silicate works according to the principle of the ion exchange device, i.e. trapping the calcium and magnesium ions the cause of hard water, thus producing soft water for washing with soap detergents. Soda (sodium carbonate) manufactured from calcium and common salt, reacts chemically with the limescale in the water, thus eliminating from the washing water one of the causes of its hardness. Citrate, the salt of citric acid, obtained by fermenting sugar-containing by-products such as molasses, binds limestone particularly at low temperatures.

**Special product feature:**

By adding the softener separately after previously having determined the amount necessary, depending on the local water hardness, the most economical use of the detergent employed is guaranteed. As is the case with the laundry detergent, we only use ingredients absolutely necessary and acceptable for the production of the softener, and abstain completely from using fillers, phosphates, and other petrochemical softening substances such as phosphonates, NTA (nitrilotriacetates) and EDTA (ethylenediaminetetraacetic acid).

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

Density: 20°C approx. 0.6–0.7 g/cm<sup>3</sup>  
68°F approx. 0.021–0.025 oz/in<sup>3</sup>  
pH value: 20°C, 5 g/litre H<sub>2</sub>O  
68°F, 0.18 oz/34 fl oz US H<sub>2</sub>O  
approx. 10–11

**Danger symbol:** ⚠

**Warning:** Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear eye protection. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Dispose of contents/container according to the local/national regulations.

**Biodegradability:** Zeolite A is a water-insoluble mineral, similar to sand, which is deposited in sewage sludge as a solid. Sodium carbonate, being a mineral by nature, needs no further degradation. Citric acid, an organic substance, is completely degraded into carbon dioxide and water within 2 to 3 days. Suitable for septic tanks and filtration systems.

**Packaging:**

500 g (18 oz) can: PP  
1 kg (35 oz) cardboard box: 85% rec. mat.  
Outer packaging: PE  
5 kg (11 lb) cardboard box: 100% rec. mat.  
Inner bag/handle: PE

## Bleach Complex and Stain Remover 50–95 °C (122–200 °F)

Component 3 in the Sonett Modular System



**Sales units / Containers:**

4 x 450 g PP-can  
NET 16 oz  
EAN Code: 4007547 10392 4

4 x 900 g refill package  
NET 32 oz  
EAN Code: 4007547 10371 9

1 x 5 kg cardboard box  
NET 11 lb  
EAN Code: 4007547 10410 5

UFI: JRSQ-60M8-T203-4WRX

**Ranges of application:**

- For bleaching white laundry
- For removing stains and discolorations from white and colour-fast fabrics
- For brightening yellowed and greyish laundry
- Effective from 50 °C (122 °F) upwards

**Use / Dosage**

Being without any petrochemical bleaching agents, the Sonett Bleach Complex and Stain Remover is not effective in the washing machine but from 50 °C (122 °F) upwards. If the bleaching agent can act for longer, e.g. having the laundry soak overnight in the Bleach Complex, it is effective at as low as 30 °C (86 °F). In the 4.5 kg (10 lb) washing machine, from 50 °C (122 °F):

- Suitable for all washable white and colour-fast fabrics made from cotton, linen, hemp and fabric blends. Unsuitable for wool, silk, rayon, and microfibres.
- Removes all oxidizable stains such as fruit, red wine, tea, coffee, grass, blood, etc.
- Prevents greying of white fabrics.
- Brightens yellowed and greyish laundry.

**Dosage** for 4.5 kg (10 lb) washing machine. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)

**Application:** Add Softener into the detergent compartment of the washing machine. Fill Laundry Detergent into a measuring ball and put it straight into the drum.

Water hardness:	In addition to Laundry Powder	In addition to Laundry Liquid
soft 0–8,4°dH	—	—
medium 8,4–14°dH	30 ml (1 fl oz US)/18 g (0.6 oz)	—
hard >14°dH	60 ml (2 fl oz US)/36 g (1.2 oz)	50 ml (1.7 fl oz US)/30 g (1 oz)

Not suitable for wool, silk, rayon and microfiber.

**Dosage:** Fill 60 ml/60 g (2 fl oz US / 2 oz) of Bleach Complex into the detergent compartment of the washing machine during the main washing cycle. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)

**Soaking of heavily soiled children's garments** or laundry which is washable up to 40 °C (104 °F) only:

**Dosage:** Dissolve 30 ml/30 g (1 fl oz US / 1 oz) in a bucket with approx. 3 litres (100 fl oz US) of warm water, add the garments and weigh them down, e.g. with a plate, so that they remain submerged in the bleaching solution. Leave to act overnight. Then wash as usual in the washing machine.

**In the dishwasher:**

To remove stubborn tea and coffee stains on dishes.

**Dosage:** Fill 1 heaped teaspoon (approx. 10 ml / 0.34 fl oz) into the dispensing chamber of the dishwasher in addition to the dishwasher detergent.

**Product declaration:**

Sodium percarbonate . . . . . > 30 %  
(Soda) sodium carbonate . . . . . 15–30 %

**List of ingredients as per EC 648/2004:**

Sodium percarbonate, sodium carbonate

**Origin and properties of the ingredients:**

Sodium percarbonate is a molecular complex obtained by hydrogen peroxide adsorbing on to sodium carbonate (wash soda). Exposed to warmth (from 50 °C / 122 °F upwards), the hydrogen peroxide is being broken down again into water and active oxygen. With increasing temperature the reaction is being accelerated in such a way that the bleaching effect in the washing machine is at its best once reached 95 °C (200 °F). The oxygen being released is especially active on organic stains such as grass stains, fruit stains, etc. by oxidizing the dyestuffs thus making them colourless, or by turning adhering, stain-causing substances into water-soluble ones again by oxidizing them.

**Special product feature:**

Each bleaching wears out the fabric. By adding the bleaching agent separately, its bleaching effect is employed only where it is specifically needed for stain removal and white laundry. Oxygen bleaching using sodium percarbonate is the most environmental-friendly alternative to the bleaching of laundry in the sunlight.

**Certification:**

NCP, [www.nature-care.org](http://www.nature-care.org)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

Density: 20 °C approx. 0.9–1.1 g/cm<sup>3</sup>  
68 °F approx. 0.032–0.039 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz (US) H<sub>2</sub>O  
approx. 10–11  
Keep container closed, in a cool and dry place.

**Danger symbol:**

**Warning:** Contains sodium percarbonate. Harmful if swallowed. Causes serious eye damage. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear eye protection.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. Dispose of contents/container according to the local/national regulations.

**Biodegradability:**

Sodium percarbonate, during the washing and bleaching process already disintegrates into mineral soda, water and oxygen, thus leaving the washing machine in a state which requires no further degradation, i.e. bleaching and degradation process are one and the same. Sodium carbonate being a mineral needs no further degradation. Suitable for septic tanks and filtration systems.

**Packaging:**

450 g (16 oz) can: PP  
900 g (32 oz) cardboard box:  
85 % rec. mat.  
Outer packaging: PE  
5 kg (11 lb) cardboard box:  
100 % rec. mat.  
Inner bag / handle: PE

**Laundry Liquid Color Mint & Lemon 20–60 °C (70–140 °F)**



**Sales Units / Containers:**

**15 x 120 ml sample bottle NET 4 fl oz US**  
EAN Code: 4007547 50422 6

**6 x 1.5 litre bottle NET 51 fl oz US**  
EAN Code: 4007547 50402 8

**1 x 5 litre canister NET 1.3 gal**  
EAN Code: 4007547 50442 4

**1 x 10 litre canister NET 2.6 gal**  
EAN Code: 4007547 50410 3

**1 x 20 litre canister NET 5.2 gal**  
EAN Code: 4007547 50450 9

**Ranges of application:**

All washable coloured textiles made from cotton, linen, hemp, microfibres such as fleece, Softshell®, Goretex as well as fabric blends, from 20–60 °C (70–140 °F). Not suitable for wool and silk. Suitable for HE washing machines.

**Product declaration:**

Soap from rapeseed / sunflower oil, certified organically grown . . . . . 15–30 %  
Sugar surfactant . . . . . 5–15 %  
Citrate . . . . . 5–15 %  
Vegetable alcohol (ethanol) . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . . . 1–5 %  
Sulphated castor oil . . . . . 1–5 %  
Natural essential oils from litsea, lemongrass, Swiss pine, certified organically grown . . . . . <1 %  
Gurjun balsam . . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648/2004:**

Aqua, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside, lauryl glucoside), sodium/potassium citrate, sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), alcohol denat., sulphated castor oil, parfum\*, citral\*, limonene\*, linalool\*, dipterocarpus turbinatus balm extract  
\*certified organically grown

**Origin and properties of the ingredients:**

In this liquid detergent, soap, sugar surfactant and fatty alcohol sulphate complement each other, thus intensifying their effect. To obtain the soap, rapeseed / sunflower oil, certified organically grown, is being saponified in a special process of saponification without applying heat from the outside, using potassium hydroxide solution. Soap as an active washing substance uniquely amalgamates all of the properties required for the washing process—the moistening, the dissolving, and absorbing of dirt. Soap is intensified in this effect by the sugar surfactant and fatty alcohol sulphate, which are obtained by the chemical reaction of the purely plant-based raw materials sugar, starch and coconut oil with acids. In order to bind limescale in water, citrate, the sodium salt of citric acid, must be added. It is obtained by fermenting sugar-containing by-products such as molasses. The alcohol which is obtained by fermenting plant-based starch serves to keep the detergent liquid, thus enabling a highly concentrated active washing substance. Sulphated castor oil, also called turkey-red oil, is obtained by castor oil reacting chemically with sulphuric acid. It intensifies the detergents fat-dissolving property.

**Special product feature:**

The special energy-saving method of saponification, without applying energy, and the use of oils and essential oils from 100 % certified organic cultivation are essential quality features of Sonett's Laundry Liquid Color. Thanks to the use of citrates and soap in combination, no extra addition of softener is necessary, irrespective of the prevailing water hardness.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
 CSE, [www.cse-label.org](http://www.cse-label.org)  
 Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

**Density:** 20 °C approx. 1.063 g/cm<sup>3</sup>  
 68 °F approx. 0.037 oz/in<sup>3</sup>  
**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
 68 °F, 0.18 oz / 34 fl oz (US) H<sub>2</sub>O  
 approx. 8.5–9.5

**Biodegradability:**

Soap made from vegetable oils has one outstanding feature compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water, resulting in calcium soap, thus neutralising its surfac-

tant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants, coconut oil alcohol sulphate and sulphated castor oil, constituents are being extracted from the plant-based raw materials, i.e. starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Soap, sugar surfactant, coconut oil alcohol sulphate, and sulphated castor oil are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
 Cap: PE / PP  
 Label: PE  
 Outer carton: 100 % rec. mat.

**Dosage** for 4.5 kg (10 lb) washing machine. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)

**Degree of soiling:**



**Water hardness:**

	slight	normal	heavy
<b>soft</b> 0–8,4°dH	40 ml (1.4 fl oz US)	60 ml (2 fl oz US)	80 ml (2.7 fl oz US)
<b>medium</b> 8,4–14°dH	50 ml (1.7 fl oz US)	70 ml (2.4 fl oz US)	90 ml (3 fl oz US)
<b>hard</b> >14°dH	80 ml (2.7 fl oz US)	100 ml (3.4 fl oz US)	120 ml (4 fl oz US)

**Yield:** 1.5 litres (51 fl oz US) of Laundry Liquid Color are sufficient for 21 laundry loads = 95 kg (209 lb) of dry laundry (medium water hardness, normal soiling).

**Manual washing:** 40 ml (1.4 fl oz US) per 5 litres (1.3 gal) of water / 1 cap = 100 ml (3.4 fl oz US)

**Olive Laundry Liquid for Wool and Silk**  
**20–40°C**  
**(70–100°F)**



**Sales units / Containers:**

**15 x 120 ml sample bottle**  
**NET 4 fl oz US**

EAN Code: 4007547 30512 0

**6 x 1 litre bottle**  
**NET 34 fl oz US**

EAN Code: 4007547 30502 1

**1 x 10 litre canister**  
**NET 2.6 gal**

EAN Code: 4007547 30542 7

**1 x 20 litre canister**  
**NET 5.2 gal**

EAN Code: 4007547 30550 2

**Ranges of application:**

Indicated for delicate laundry, wool, and silk, up to 40 °C (100 °F); to be used in the washing machine as well as for manual washing. Suitable for HE washing machines.

**Application / Dosage:**

4.5 kg (10 lb) washing machine:  
 Hardness ranges soft and medium:  
 60 ml (2 fl oz US)  
 Hardness range hard: 90 ml (3 fl oz US)  
 Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)  
 Fill into the detergent compartment of the washing machine. Do not squirt concentrated washing liquid onto the dry laundry. Doing so might discolour delicate fabrics. 1 litre (34 fl oz US) of Olive Laundry Liquid for Wool and Silk is sufficient for 17 loads of washing of approx. 2.5 kg (5.5 lb) each, in the hardness ranges soft and medium.

**Down jackets and pillows:**

Laundry Liquid for Wool and Silk is quite well tolerated by down.  
 Note: Whilst drying, down must be continually moved in order not to stick together.  
 Unless otherwise indicated, please proceed in the following way:

- Select gentle wash cycle (30 °C / 86 °F)
- Use Olive Laundry Liquid for Wool and Silk without softener.
- Add extra rinsing cycle.
- Spin very gently only.
- Tumble-dry small load at low temperature.

Important: Keep shaking the downs every now and then when drying them on a washing line.

**Manual washing:**

Add 15–30 ml (0.5–1 fl oz US) per approx. 5 litres (1.3 gal) of water to the running water, and then place the garments into it. Move very gently only. Rinsing water and wash water should be of similar temperature in order to prevent temperature shock.  
**Sonett Laundry Rinse:** Fill into the softener compartment; revivifies the brightness of delicate colours, helps to rinse out detergent residue more thoroughly, and smoothes fibres.

**Product declaration:**

Soap from olive oil, certified organ. / biodyn. cultivation . . . 15–30 %  
 Sugar surfactant . . . . . 5–15 %  
 Soap from rapeseed oil / sunflower oil, certified organically grown . . . . 1–5 %  
 Vegetable alcohol (ethanol) . . . . 1–5 %  
 Citrate . . . . . <1 %  
 Essential lavender oil, certified organically grown . . . . . <1 %  
 Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
 Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648 / 2004:**

Aqua, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside), alcohol denat., sodium/potassium citrate, parfum\*, linalool\*  
\*certified organically grown

**Origin and properties of the ingredients:**

**Olive soap:** It is from century-old olive groves of Mediterranean countries such as Italy, Spain and Greece that the fruit originates. It is used to obtain the olive oil—in certified organically grown quality—by mechanical processes such as pressing and centrifugation. When saponified with potassium hydroxide, it is the main constituent of Sonett's Olive Laundry Liquid for Wool and Silk. Olive oil is the best oil raw material for making mild soap and restoring the deficient protective hydrolipidic film. Its well-balanced composition of fatty acids, its healing balancing effect on the cardiovascular system, and the remarkable growth of the olive tree in a 7-year cycle, demonstrate the special proximity and relationship of this oil to humans.

**Rapeseed oil / sunflower oil soap:** Vegetable oil, saponified with potassium hydroxide, serves to intensify the washing performance. In addition to flax and sunflower, rapeseed is one of the few oil-yielding plants which are cultivated for oil production in our temperate central European climate, and are also certified organically grown. **Ethanol:** It is derived from fermentation of starch-containing plants such as maize and potatoes. Ethanol helps keeping the soap liquid, while at the same time improving the fat-dissolving property of the detergent.

**Sugar surfactant:** Sugar, starch and coconut oil are the raw materials for the sugar surfactant used. The proportion of sugar surfactant compared to the soap content of the detergent is such, that it serves for the calcium soap forming in case of hard water, to be kept finely dispersed and to prevent it from being deposited on the laundry.

**Special product feature:**

In this product, high-grade pressed olive oil is being processed to obtain soap which possesses outstanding cleansing properties that are nurturing for woollen and silk fabrics and restore their deficient protective hydrolipidic film. Using sugar surfactant, a soap-based detergent for delicate fabrics is obtained which is very user-friendly even with hard water, yet maintaining all positive properties of a soap-based detergent. Olive oil, rapeseed and sunflower oil as well as the essential lavender oil originate 100% from certified organic cultivation.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

**Density:** 20 °C approx. 1.017 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>  
**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O approx. 8.5–9.5

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and cloudy; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

**Biodegradability:**

Soap made from vegetable oils has one outstanding feature, compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water forming calcium soap, thus neutralising its surfactant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100% degraded into carbon dioxide and water (secondary degradation). Ethanol is infinitely miscible with water and reintegrates into the natural cycle within a few hours. Despite the fact that during the manufacturing of sugar surfactants, constituents are being extracted from the plant-based raw materials, i.e. starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100% decompose these surfactants. Soap and sugar surfactant are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100% rec. mat.

**Laundry Rinse**

**Extra care for delicate garments**



**Sales units / Containers:**

**6 x 1 litre bottle**  
**NET 34 fl oz US**  
EAN Code: 4007547 30604 2

**1 x 10 litre canister**  
**NET 2.6 gal**  
EAN Code: 4007547 30614 1

UFI: U14T-AW11-K10M-AVFT

**Ranges of application:**

Suitable for all types of fabrics and washing programmes. Add to the final rinsing water. Sonett Laundry Rinse helps to rinse out detergent residue and neutralizes the rinsing water (important for allergy-prone people). It brightens up colours, smoothes fibres and softens fabrics.

Caution: Do not apply to calcareous surfaces such as marble, artificial stone, concrete, limestone, etc.

**Dosage:**

For the 4.5 kg (10 lb) washing machine fill approx. 40 ml (1.4 fl oz US) into the softener compartment of your washing machine.

**Product declaration:**

Citric acid . . . . . 15–30 %  
Vegetable alcohol (ethanol) . . . 5–15 %  
Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648 / 2004:**

Aqua, citric acid, alcohol denat.

**Origin and properties of the ingredients:**

The raw materials from which citric acid is obtained, are by-products of the sugar industry, such as molasses. The specific property of citric acid to soften water at low temperatures and its ability to smooth fibres and revivify the brightness of fading-prone colours make citric acid an excellent choice as a laundry rinse for wool and silk garments.

**Special product feature:**

The citric acid used in this product is of food quality and of excellent biodegradability. Most of the laundry detergents are alkaline. The acidic rinsing neutralises the laundry—which is especially important for sensitive people.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

**Density:** 20 °C approx. 1.07 g/cm<sup>3</sup>  
68 °F approx. 0.038 oz/in<sup>3</sup>  
**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz (US) H<sub>2</sub>O approx. 3–4

**Danger symbol:** ⚠

**Warning:** Contains citric acid in food quality: Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. **If in eyes:** 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. Dispose of contents / container according to the local / national regulations.

**Biodegradability:**

Citric acid is a constituent of plant, animal and human organisms, and is therefore rapidly and completely degraded into carbon dioxide and water by naturally present microorganisms. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100% rec. mat.

## Wool Care up to 30°C (86°F)

For restoring the deficient protective hydro-lipidic film to garments made from wool and silk.



### Sales units/Containers:

6 x 300 ml bottle

NET 10 fl oz US

EAN Code: 4007547 50202 4

### Ranges of application:

For lipid replenishing of highly stressed garments made from wool and silk. Particularly important for babies woollen nappy pants which, due to the natural wool-wax content, collect the dampness from the diaper while still remaining permeable to air. If babies' woollen nappy pants are washed, they lose their naturally occurring wool fat. Regular application of Wool Care replenishes the wool with the wool wax it needs for proper functioning.

### Application/Dosage:

Woollen nappy pants: Dissolve 1–2 tablespoon of Wool Care in hot water and fill up to approx. 1 litre (34 fl oz US) using cold water. Place the moistened woollen nappy pants into the lukewarm solution, wash through several times and leave to soak for about ½ to 1 hour. Rinse in lukewarm water, press out and leave to dry on a towel. Stressed woollen clothing, such as jackets, milled jackets, wool-felt hats, jumpers, etc.: Dissolve ½ teaspoon of Wool Care in hot water and proceed as described above.

Wool Care can also be used in the washing machine. To this end, dissolve ½ teaspoonful of Wool Care in approx. 30–40 ml (1–1.4 fl oz US) of hot water and pour the solution into the fabric softener compartment of the washing machine.

### Product declaration:

Natural wool fat (pesticide-free) . . . . . 15–30 %  
Olive-oil soap, certified organically grown . . . . . 15–30 %  
Sugar surfactant . . . . . 5–15 %  
Cetyl alcohol . . . . . 1–5 %  
Plant-based thickening agent . . . . . <1 %  
Citrate . . . . . <1 %  
Essential lavender oil, certified organically grown . . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild- growing plants . . . . . <1 %  
Water . . . . . up to 100 %

### List of ingredients as per EC 648/2004:

Aqua, lanolin, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside), cetyl alcohol, polysaccharide (xanthan gum), sodium / potassium citrate, parfum\*, linalool\*  
\*certified organically grown

### Origin and properties of the ingredients:

Wool wax is obtained from freshly shorn sheep's wool that underwent a special process to remove any pesticide and herbicide residues. In order to be well dispersed in the water and to adhere to the fibres, the wool wax must be emulsified into fine droplets using olive-oil soap and sugar surfactant. Sugar, coconut oil and palm oil are the raw materials used to manufacture sugar surfactant.

Olive soap results from the chemical reaction between olive oil and lye (alkaline solution). Olive oil is the best oil raw material for making mild lipid-replenishing plant-based soap. Its well-balanced composition of fatty acids, its healing balancing effect on the cardiovascular system, and the remarkable growth of the olive tree in a 7-year cycle are evidence of the special proximity and relationship of this oil to humans. Cetyl alcohol—obtained from palm oil—and the plant-based thickening agent enhance the emulsifying effect of sugar surfactant and olive oil soap.

### Special product feature:

The wool wax used is of pharmaceutical quality. Thanks to the inclusion of olive-oil soap and sugar surfactant, Wool Care may also be used, without problems, in areas with hard-water. The olive oil and the essential oil of lavender are 100 % derived from certified organic cultivation.

### Certification:

NCP, www.nature-care.cc  
CSE, www.cse-label.org

### Technical data:

Density: 20 °C approx. 0.99 g/cm<sup>3</sup>  
68 °F approx. 0.035 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 7–8

### Biodegradability:

The raw materials wool wax and cetyl alcohol are, in finely emulsified state, readily micro-biodegradable. Soap made from vegetable oils has one outstanding feature compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water, forming calcium soap, thus neutralising its effect on live organisms (primary degradation). The calcium soap is then, micro-organically, 100 % degraded into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their chemical structure. For this reason it is so easy for the micro-organisms to 100 % decompose these surfactants into CO<sub>2</sub> and H<sub>2</sub>O very rapidly. Soap, sugar surfactant, and cetyl alcohol are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Gall Soap

Indicated for multipurpose spot- and stain-removing



### Sales units/Containers:

12 x 100 g individually packaged  
NET 3.5 oz

EAN Code: 4007547 20102 6

### Ranges of application:

Highly effective soap for removing stains and spots caused by grease, fruit, blood, ink, ballpoint pen, grass, and fat, etc. Suitable for all white and colour-fast textiles made from cotton, linen, hemp and fabric blends. Before washing coloured textiles, test their colour-fastness on a concealed spot.

### Application/Dosage:

Wet the bar of gall soap and rub onto the dry fabric, then allow it to take effect for 10–15 minutes, wash out thoroughly or place the garment straight into the washing machine. If necessary, repeat the procedure.

### Product declaration:

Palm-oil soap, certified organically grown . . . . . >30 %  
Coconut-oil soap, certified organically grown . . . . . 15–30 %  
Bovine gall powder . . . . . 1–5 %  
Chlorophyll, common salt . . . . . <1 %  
Sodium thiosulphate . . . . . <1 %

### List of ingredients as per EC 648/2004:

Sodium soap\*, aqua, fel tauri siccum, sodium copper chlorophyllin, sodium chloride, sodium thiosulphate  
\*certified organically grown

**Origin and properties of the ingredients:**

Soap being an active washing substance, it is obtained by simply boiling fats with alkaline solution. Every fat base differs in its washing properties somewhat from another because of their diversity of origin. Coconut oil as soap base, therefore, possesses particularly good cleaning performance, even in hard water. Soap made from palm oil contributes the required firmness and resistance. The two soaps combined thus form the optimal basis for fully developing the stain-removing property of the gall substance.

**Special product feature:**

A well-tried, highly effective, inexpensive stain- and spot-removing agent which is incredibly economical in its use.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)

**Technical data:**

Soap is slightly alkaline in use. The green chlorophyll colouration of the bars of soap may become lighter by exposure to light. This does not, however, impair the stain-removing performance of the gall soap. The brownish colour appearing is the natural colour of gall.

**Biodegradability:**

Right after its use soap loses its surfactant properties (primary degradation) under direct reaction with limescale which is always present in waste water, thus being no longer inimical to live organisms. The calcium soap (formed by the reaction) is then 100 % micro-organically decomposed into carbon dioxide and water (secondary degradation). Bovine gall being a purely natural product is fully degraded within a few days, and reintegrated into the natural cycle. Soap is classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Folding box: > 80 % rec. mat.  
Printing ink: food-grade  
Outer carton: 100 % rec. mat.

**Liquid Gall Soap**

**Highly effective liquid for removing stains and spots**



**Sales units / Containers:**

**6 x 120 ml bottle  
NET 4 fl oz US**

EAN Code: 4007547 20314 3

**6 x 300 ml bottle  
NET 10 fl oz US**

EAN Code: 4007547 20304 4

**Ranges of application:**

Highly effective liquid for removing stains and spots caused by fruit, blood, ink, ballpoint pen, grass, and grease, etc. Suitable for all white and colour-fast textiles made from cotton, linen, hemp and fabric blends. Before washing coloured textiles, test their colour fastness on a concealed spot.

**Application / Dosage:**

**For local treatment of stains:**

Apply undiluted liquid gall soap to the stain and allow taking effect for 10–15 minutes. Wash out thoroughly or place the garment straight into the washing machine.

**As a wash intensifier:** For washing at 30–60 °C (85–140 °F), add 20–30 ml (1 fl oz US) to the main wash cycle of the 4.5 kg (10 lb) washing machine.

**Product declaration:**

Soap from rapeseed oil / sunflower oil, certified organically grown . . . . . 15–30 %  
Soap from olive oil, certified organically grown . . . . . 5–15 %  
Sugar surfactant . . . . . 5–15 %  
Vegetable alcohol (ethanol) . . . . . 1–5 %  
Bovine gall powder . . . . . 1–5 %  
Orange-peel oil . . . . . <1 %  
Citrate . . . . . <1 %  
Natural essential oil of petit-grain, certified organically grown . . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648 / 2004:**

Aqua, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside), alcohol denat., fel tauri siccum, sodium / potassium citrate, parfum\*, limonene, linalool\*, geraniol\*  
\*certified organically grown

**Origin and properties of the ingredients:**

Bovine gall is a traditional stain remover. Its principal active ingredients, i.e. the bile acids cholic and taurocholic acids, are not only capable of finely dispersing grease and fat-like substances but also of dissolving dyestuffs and forming compounds with them. Soap manufactured from rapeseed / sunflower oil and olive oil with lye (alkaline solution), swells and dissolves the dirt and supports the stain-removing performance property of the bovine gall. Sugar surfactant is obtained from pure plant-based raw materials—sugar, starch and coconut oil—and their chemical reaction with acids. Citric terpene derived from orange peels intensifies even more the fat-dissolving property of Sonett Gall Soap.

**Special product feature:**

Olive oil and rapeseed / sunflower oil as well as the essential petit-grain oil used in the soap are 100 % derived from certified organic cultivation.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)

**Technical data:**

Density: 20 °C approx. 1.011 g / cm<sup>3</sup>  
68 °F approx. 0.035 oz / in<sup>3</sup>

pH value: 20 °C, 5 g / litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O approx. 8–9

Contains orange oil terpenes.  
May produce an allergic reaction.  
Safety data sheet available on request.

**Biodegradability:**

Bovine gall being a purely natural product is 100 % biodegradable. Soap made from plant-based oils has the unique property that, right after its use, it reacts chemically with the limescale always present in waste water, thus forming calcium soap. As a result, the surfactant effect inimical to aquatic organisms is being neutralised within a few hours (primary degradation). Subsequently the calcium soap is, by micro-organisms, 100 % decomposed into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants and coconut oil alcohol sulphate, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Soap and sugar surfactants are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

**Sonett –  
Organic soaps  
and detergents  
protecting natural  
water resources,  
the essence of life**

## Stain Removal Spray



### Sales units/Containers:

**6 x 100 ml spray bottle**  
**NET 3.4 fl oz US**

EAN Code: 4007547 20004 3

### Ranges of application:

Also suitable for delicate textiles, wool and silk. Effective against stains and spots caused by fruit, cocoa, ballpoint pen, grease, etc.

### Application/Dosage:

**For stain removal:** Also on delicate textiles such as wool and silk (test fabric's colour fastness on a concealed spot, if necessary). Put paper towel underneath the stained textile, spray stain from closest proximity and leave on to be effective for approx. 30 sec., thoroughly dab with absorbent paper from above—do not rub. Moisten new sheet of paper with water, place dry sheet of paper under the textile and once again dab thoroughly.

**For pre-treating garments:** Spray stained textile from closest proximity and leave on to be effective for approx. 10 min. Put garment straight into the washing machine.

### Product declaration:

Sugar surfactant	5–15 %
Vegetable alcohol (ethanol)	5–15 %
Vegetable glycerine, certified organically grown	1–5 %
Quillaja extract, certified organically grown	1–5 %
Citrate	<1 %
Natural essential sage oil, certified organically grown	<1 %
Natural essential lavender oil, certified organically grown	<1 %
Balsamic additives, certified organically grown/collection from wild-growing plants	<1 %
Water, swirled	up to 100 %

### List of ingredients as per EC 648/2004:

Aqua, alkylpolyglucoside C8–C16 (coco glucoside), alcohol denat., glycerine\*, Quillaja Saponaria\*, sodium citrate, parfum\*, linalool\*, limonene\*  
\*certified organically grown

### Origin and properties of the ingredients:

Sugar, starch, and coconut oil are the raw materials used for the sugar surfactants. The organic Quillaja is obtained from a certified cultivation project in Chile and enhances the stain-removing performance of the sugar surfactant thanks to its saponin content.

### Special product feature:

Organic Quillaja extract and sugar surfactant combined result in a highly effective as well as gentle agent for removing stains, thus being optimally indicated for delicate textiles, wool, and silk.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

**Density:** 20 °C approx. 1.01 g/cm<sup>3</sup>  
68 °F approx. 0,036 oz/in<sup>3</sup>  
**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 8–8,5

### Biodegradability:

Despite ingredients being extracted from the plant-based raw materials starch, sugar, and fat during the manufacturing process of sugar surfactants, they remain completely intact in their natural structure. That makes it quite easy for microorganisms to 100 % decompose these surfactants very quickly. Sugar surfactants are classified as being readily biodegradable according to OECD guidelines.

Suitable for septic tanks and filtration systems.

### Packaging:

Bottle: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Starch Spray and Ironing Aid



### Sales units/Containers:

**6 x 0.5 litre spray bottle**  
**NET 17 fl oz US**

EAN Code: 4007547 50304 5

### 6 x 1 litre refill bottle

**NET 34 fl oz US**  
EAN Code: 4007547 50314 4

### Ranges of application:

Starches, smoothes, and cares for all textiles made from cotton, linen, hemp, and fabric blends. It makes ironing easier, even with dry and crumpled laundry. Your garments stay free from creases, are dirt-repellent, and retain their shape for a longer period of time.

### Application/Dosage:

Shake bottle before use. Spray clothing evenly from a distance of about 20 cm (8 inch), and then iron as usual, without using steam. If the spray nozzle gets obstructed, unscrew the spray head and rinse in warm water.

**Note:** Not suitable for silk, rayon and other synthetic fibres. Starch spray may cause the floor to be slippery.

### Product declaration:

Vegetable alcohol (ethanol)	5–15 %
Vegetable starch, certified organically grown	1–5 %
Sulphated castor oil	<1 %
Soap from olive oil, certified organically grown	<1 %
citrate	<1 %
Essential oils (rose geranium, lavender), certified organically grown	<1 %
Water, swirled	up to 100 %

### List of ingredients as per EC 648/2004:

Aqua, alcohol denat., polysaccharide\* (amylum solani\*), sulphated castor oil, potassium soap\*, sodium/potassium citrate, parfum\*, citronellol\*, geraniol\*, linalool\*  
\*certified organically grown

### Origin and properties of the ingredients:

Vegetable alcohol (ethanol) is obtained by fermenting plant-based starch. In Sonett Starch Spray it is primarily used to prolong the product's shelf life. The actual active ingredient is vegetable starch, obtained from potatoes which are certified organically grown. Olive-oil soap—manufactured from certified organic olive oil—and sulphated castor oil—obtained by direct reaction between castor oil and sulphuric acid—decrease friction during ironing.

### Special product feature:

Unlike conventional ironing starches, Sonett Starch Spray does not contain petrochemical silicone as friction-impeding ironing aid. With Sonett Starch Spray and its purely vegetable ingredients (mostly from organic cultivation), you obtain garments which are excellently starched and cared for.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

**Density:** 20 °C approx. 0.991 g/cm<sup>3</sup>  
68 °F approx. 0.035 oz/in<sup>3</sup>  
**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 7–8

### Biodegradability:

Ethanol, in small amounts, is also present in nature. When getting into waste water, it is rapidly and 100 % degradable into carbon dioxide and water. Plant-based starch in food quality, sulphated castor oil, and olive-oil soap as substances in harmony with nature are also rapidly and fully biodegradable. Starch, sulphated castor oil, and olive-oil soap are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

**Laundry Liquid sensitive**  
30–95 °C (85–200 °F)



**Sales units / Containers:**

**6 x 2 litre bottle**  
**NET 68 fl oz US**  
EAN Code: 4007547 50182 9

**1 x 10 litre canister**  
**NET 2.6 gal**  
EAN Code: 4007547 50170 6

**1 x 20 litre canister**  
**NET 5.2 gal**  
EAN Code: 4007547 50230 7

**Ranges of application:**

Suitable for white and coloured textiles made from cotton, linen, hemp, and fabric blends. Not suitable for wool and silk. Suitable for HE washing machines.

**Product declaration:**

Soap from rapeseed/sunflower oil, certified organically grown . 5–15 %  
Sugar surfactant . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . 5–15 %  
Vegetable alcohol (ethanol) . . . 1–5 %  
Sulphated castor oil . . . . . <1 %  
Citrate . . . . . <1 %  
Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648 / 2004:**

Aqua, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside, lauryl glucoside), sodium C8–C14 fatty alcohol sulphate (sodium octyl sulfate, sodium lauryl sulfate), alcohol denat., sulphated castor oil, sodium/potassium citrate  
\*certified organically grown

**Origin and properties of the ingredients:**

In this liquid detergent, soap, sugar surfactant and fatty alcohol sulphate complement each other, thus intensifying their effect. To obtain the soap, rapeseed/sunflower oil, certified organically grown, is being saponified in a special process of saponification without applying heat from the outside, using potassium hydroxide solution. Soap as an active washing substance uniquely amalgamates all of the properties required for the washing process—the moistening, the dissolving, and absorbing of dirt. Soap is intensified in this effect by the sugar surfactant and fatty alcohol sulphate, which are obtained by the chemical reaction of the purely plant-based raw materials sugar, starch and coconut oil with acids. At the same time this combination neutralizes the

soap's drawback, i. e. calcium soap being formed, which may precipitate on the laundry should the softener not have been properly measured. The alcohol which is obtained by fermenting plant-based starch serves to keep the detergent liquid, thus enabling a highly concentrated active washing substance. Sulphated castor oil, also called turkered oil, is obtained by castor oil reacting chemically with sulphuric acid. It intensifies the detergents fat-dissolving property.

**Special product feature:**

Sonett's particularly energy-saving method of saponification, the use of oils and essential oils derived from certified organic cultivation, and its good value for money as far as the laundry liquid's washing performance is concerned are the outstanding features of this product.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

**Density:** 20 °C approx. 1.027 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>  
**pH value:** 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 8.5–9.5

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and whitish; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

**Biodegradability:**

Soap made from vegetable oils has one outstanding feature compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale

always present in waste water, resulting in calcium soap, thus neutralising its surfactant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants, coconut oil alcohol sulphate and sulphated castor oil, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Citric acids and their salts are an integral part of plant, animal and human organisms and are, therefore, rapidly and completely degraded into carbon dioxide and water by microorganisms present in nature. Soap, sugar surfactant, citric acid, coconut oil alcohol sulphate, and sulphated castor oil are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

**Note for people with allergies:**

- Purely vegetable surfactants
- Without any petrochemical ingredients
- Without fragrances, colourings and complexing agents
- No preservatives
- No enzymes
- No GMO
- Completely biodegradable

**Dosage** for 4.5 kg (10 lb) washing machine. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage) **Application:** Add Softener into the detergent compartment of the washing machine. Fill Laundry Detergent into a measuring ball and put it straight into the drum.

**Degree of soiling:**



	slight		normal		heavy	
	Laundry Liquid	Softener	Laundry Liquid	Softener	Laundry Liquid	Softener
<b>soft</b> 0–8,4°dH	50 ml 1.7 fl oz US	—	60 ml 2 fl oz US	—	75 ml 2.5 fl oz US	—
<b>normal</b> 8,4–14°dH	60 ml 2 fl oz US	—	75 ml 2.5 fl oz US	—	100 ml 3.4 fl oz US	—
<b>hard</b> >14°dH	60 ml 2 fl oz US	50 ml 1.7 fl oz US	75 ml 2.5 fl oz US	50 ml 1.7 fl oz US	100 ml 3.4 fl oz US	50 ml 1.7 fl oz US

**Yield:** 2 litres (68 fl oz US) of Laundry Liquid sensitive are sufficient for 27 laundry loads = 120 kg (265 lb) of dry laundry (medium water hardness, normal soiling). **Bleach Complex:** For white fabrics and stain removal; active from 50 °C (122 °F). **Dosage:** 60 ml (2 fl oz US)

## Laundry Powder Color sensitive 20–60 °C (68–140 °F)

With Organic Quillaja



### Sales units / Containers:

4 x 1.2 kg cardboard box, 42 oz  
EAN Code: 4007547 10220 0

1 x 10 kg cardboard box  
NET 22 lb  
EAN Code: 4007547 10240 8

### Ranges of application:

Coloured and delicate fabrics made from cotton, linen, hemp, synthetic fibres and fabric blends are washed very efficiently, the laundry powder being gentle on the colours; from as low as 20 °C (68 °F). Not suitable for wool and silk. Suitable for HE washing machines.

### Product declaration:

Zeolite . . . . . 15–30 %  
Soap from vegetable oils, certified organically grown . . . 15–30 %  
Citrate . . . . . 15–30 %  
Sugar surfactants . . . . . 5–15 %  
Sodium carbonate . . . . . 5–15 %  
Silicates . . . . . 1–5 %  
Sodium bicarbonate . . . . . 1–5 %  
Organic Quillaja, certified organically grown . . . . <1 %  
Powder humidity . . . . . 10–15 %

### List of ingredients as per EC 648 / 2004:

Zeolite, sodium soap\*, sodium citrate, alkylpolyglucoside C8–C16 (coco glucoside), sodium carbonate, sodium silicate, sodium bicarbonate, Quillaja saponaria\*  
\*certified organically grown

### Origin and properties of the ingredients:

The main active ingredient of the Sonett Laundry Powder Color sensitive is organic soap, manufactured from various plant-based oils from organic cultivation—such as palm oil, rapeseed, sunflower and coconut oil—by simmering them with alkaline solution. Soap as an active washing substance uniquely amalgamates all of the properties required for the washing process—the moistening, dissolving, and absorbing of dirt. Sugar surfactant: Sugar, starch and coconut oil are the raw materials for the sugar surfactant used. It intensifies the fat-dissolving performance of the soap and has the effect that, in case of hard water, the calcium soap being formed and the dirt are kept finely dispersed. The third active ingredient is organic Quillaja. By extracting the liquid from the bark of the South American organic Quillaja saponaria, a stain-removing agent is obtained which is highly efficient yet gentle on the colours and develops its cleansing performance even at low temperature. Sodium carbonate is a result of calcium reacting chemically with common salt. Silicates are obtained by melting quartz sand and sodium carbonate to form a compound. Sodium carbonate and silicates both intensify the washing lye, thanks to their alkalinity, and promote the removal of fatty substances in particular. Zeolite and citrate, the salt of citric acid, both bind limestone in the water and prevent deposits in the washing machine and on fabrics. Zeolite is made from the raw materials sodium silicate and sodium aluminate which are easily accessible. This silicate works according to the principle of the ion exchange device, i.e. trapping the calcium and magnesium ions the cause of hard water, thus producing soft water for washing with soap detergents. Citrate obtained by fermenting sugar-containing by-products such as molasses, binds limestone particularly at low temperatures.

### Special product feature:

Highly concentrated laundry powder indicated for every coloured and delicate fabric, containing organic Quillaja saponaria extract, which is famous for

its efficient fat-dissolving performance. It contains no petrochemical lime bonding agent such as poly aspartic acid, but merely the natural salt of citric acid (citrate). Suitable for all ranges of water hardness; no separate softening agent necessary.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C appr. 0.8 g/cm<sup>3</sup>  
68 °F approx. 0.028 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O approx. 10–11

### Biodegradability:

Soap made from vegetable oils has one outstanding feature compared to all other active washing substances, namely that, right after its use, it loses its surface active properties immediately on chemically reacting with the calcium that is always present in waste water, and neutralises its effect on live organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants, coconut oil alcohol sulphate and sulphated castor oil, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Sodium carbonate, sodium bicarbonate, zeolite and silicates are mineral substances which need no further degradation in nature. Soap, sugar surfactant and citrate are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Cardboard box: 100 % rec. mat.  
Inner bag: PE  
Measuring cup: > 80 % rec. mat.  
Printing ink: food grade  
Outer packaging: PE

## Olive Laundry Liquid for Wool and Silk sensitive 20–40 °C (up to 100 °F)



### Sales units / Containers:

6 x 1 litre bottle  
NET 34 fl oz US  
EAN Code: 4007547 30524 3




### Ranges of application:

Indicated for delicate laundry, wool, and silk, up to 40 °C (100 °F); to be used in the washing machine as well as for manual washing. Suitable for HE washing machines.

### Application / Dosage:

4.5 kg (10 lb) washing machine:  
Hardness ranges soft and medium: 60 ml (2 fl oz US)  
Hardness range hard: 90 ml (3 fl oz US)  
Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)  
Fill into the detergent compartment of the washing machine. Do not squirt concentrated washing liquid onto the dry laundry. Doing so might discolour delicate fabrics.  
1 litre (34 fl oz US) of Olive Laundry Liquid for Wool and Silk sensitive is sufficient for 17 loads of washing of approx. 2.5 kg (5.5 lb) each, in the hardness ranges soft and medium.  
**Down jackets and pillows:**  
Laundry Liquid for Wool and Silk is quite well tolerated by down. Note: Whilst drying, down must be continually moved in order not to stick together. Unless otherwise indicated, please proceed in the following way:  
- Select gentle wash cycle (30 °C / 86 °F)  
- Use Olive Laundry Liquid for Wool and Silk without softener  
- Add extra rinsing cycle  
- Spin very gently only  
- Tumble-dry small load at low temperature  
- Important: Keep shaking the downs every now and then when drying them on a washing line.

**Dosage** for 4.5 kg (10 lb) washing machine. Dosage for other machine sizes and half load please see [www.sonett.eu/applications/dosage](http://www.sonett.eu/applications/dosage)

Degree of soiling:	light 	normal 	heavy 
<b>Water hardness:</b>	<b>Laundry Powder sensitive</b>	<b>Laundry Powder sensitive</b>	<b>Laundry Powder sensitive</b>
<b>soft</b> 0–8,4°dH	30 ml (1 fl oz US)	40 ml (1.3 fl oz US)	60 ml (2 fl oz US)
<b>medium</b> 8,4–14°dH	40 ml (1.3 fl oz US)	50 ml (1.7 fl oz US)	70 ml (2.4 fl oz US)
<b>hard</b> >14°dH	70 ml (2.4 fl oz US)	80 ml (2.7 fl oz US)	110 ml (3.7 fl oz US)

**Yield:** 1.2 kg (42 oz) of Laundry Powder Color sensitive are sufficient for 30 laundry loads = 135 kg (297 lb) of dry laundry (medium water hardness, normal soiling). 100 ml (3.4 fl oz US) = 80 g (2.8 oz)

**Manual washing:**

Add 15–30 ml (0.5–1 fl oz US) per approx. 5 litres (1.3 gal US) of water to the running water, and then place the garments into it. Move very gently only. Rinsing water and wash water should be of similar temperature in order to prevent temperature shock.

**Sonett Laundry Rinse:**

Fill into the softener compartment; revivifies the brightness of delicate colours, helps to rinse out detergent residue more thoroughly, and smoothes fibres.

**Product declaration:**

Soap from olive oil, certified organic/biodynamic cultivation . . . . . 15–30 %  
Sugar surfactant . . . . . 5–15 %  
Soap from rapeseed oil / sunflower oil, certified organically grown . . . . . 1–5 %  
Vegetable alcohol (ethanol) . . . . . 1–5 %  
Citrate . . . . . <1 %  
Water, swirled . . . . . up to 100 %

**List of ingredients as per EC 648 / 2004:**

Aqua, potassium soap\*, alkylpolyglucoside C8–C16 (coco glucoside), alcohol denat., sodium/potassium citrate\*  
\*certified organically grown

**Origin and properties of the ingredients:**

Olive soap: It is from century-old olive groves of Mediterranean countries such as Italy, Spain and Greece that the fruit originates. It is used to obtain the olive oil—in certified organically grown quality—by mechanical processes such as pressing and centrifugation. When saponified with potassium hydroxide, it is the main constituent of Sonett's Olive Laundry Liquid for Wool and Silk. Olive oil is the best oil raw material for making mild soap and restoring the deficient protective hydrolipidic film. Its well-balanced composition of fatty acids, its healing balancing effect on the cardiovascular system, and the remarkable growth of the olive tree in a 7-year cycle, demonstrate the special proximity and relationship of this oil to humans.

Rapeseed oil / sunflower oil soap: Vegetable oil, saponified with potassium hydroxide, serves to intensify the washing performance. In addition to flax and sunflower, rapeseed is one of the few oil-yielding plants which are cultivated for oil production in our temperate central European climate, and are also certified organically grown.

Ethanol: It is derived from fermentation of starch-containing plants such as maize and potatoes. Ethanol helps keeping the soap liquid, while at the same time improving the fat-dissolving property of the detergent.

Sugar surfactant: Sugar, starch and coconut oil are the raw materials for the sugar surfactant used. The proportion of sugar surfactant compared to the soap content of the detergent is such, that it

serves for the calcium soap forming in case of hard water, to be kept finely dispersed and to prevent it from being deposited on the laundry.

**Special product feature:**

In this product, high-grade pressed olive oil is being processed to obtain soap which possesses outstanding cleansing properties that are nurturing for woollen and silk fabrics and restore their deficient protective hydrolipidic film. Using sugar surfactant, a soap-based detergent for delicate fabrics is obtained which is very user-friendly even with hard water, yet maintaining all positive properties of a soap-based detergent. Olive oil, rapeseed and sunflower oil originate 100 % from certified organic cultivation.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

Density: 20 °C approx. 1.017 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 8.5–9.5

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and cloudy; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

**Biodegradability:**

Soap made from vegetable oils has one outstanding feature, compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water forming calcium soap, thus neutralising its surfactant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Ethanol is infinitely miscible with water and reintegrates into the natural cycle within a few hours. Despite the fact that during the manufacturing of sugar surfactants, constituents are being extracted from the plant-based raw materials, i.e. starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Soap and sugar surfactant are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Dishwashing Liquid sensitive All-Purpose Cleanser

**Sales units / Containers:**

6 x 0.5 litre bottle  
NET 17 fl oz US  
EAN Code: 4007547 30774 2

1 x 10 litre canister  
NET 2.6 gal US  
EAN Code: 4007547 30794 0

**Ranges of application:**

A product unaffected by water hardness and very economical in its use, for all-purpose cleaning and manual dishwashing.

**Dosage for the use as Dishwashing Liquid:**

Add 1 dash (approx. 3 ml / 5 litres of water) to the dishwashing water or apply straight onto the sponge.

**Dosage for the use as All-Purpose Cleanser:**

5–10 ml (½–1 tablespoon) per 10 litres of water, depending on the degree of soiling.

**Product declaration:**

Sugar surfactants . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . . . 1–5 %  
Vegetable alcohol (ethanol) . . . . . 1–5 %  
Common salt . . . . . <1 %  
Citrate . . . . . <1 %  
Water, swirled . . . . . up to 100 %

**Note for people with allergies:**

- Purely vegetable surfactants
- Without any petrochemical ingredients
- Without fragrances, colourings and complexing agents
- No preservatives
- No enzymes
- No GMO
- Completely biodegradable

**List of ingredients as per EC 648 / 2004:**

Aqua, alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C8–C14 fatty alcohol sulphate (sodium octyl sulfate, sodium lauryl sulfate), alcohol denat., sodium chloride, sodium citrate

**Origin and properties of the ingredients:**

Sugar, starch, and coconut oil serve as raw materials for the sugar surfactants used. Combined with coconut oil alcohol sulphate, produced from coconut oil and sulphur oxides, they form a combination of substances which complement each other, increase their cleansing performance and possess excellent fat-dissolving properties as well as outstanding skin tolerance.

**Special product feature:**

This fragrance-free liquid for manual dishwashing and cleaning being concentrated, it is very economical in its use. The surfactants used, i.e. coconut oil alcohol sulphate and sugar surfactants, present one of the best degradation rates in waste water—being surpassed by soap only—and a very good skin tolerance as well.

**Certification:**

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

Density: 20 °C approx. 1.027 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 7.5–8.5

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and whitish; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

**Biodegradability:**

Despite constituents being extracted from the plant-based raw materials starch, sugar, and fat during the manufacturing process of sugar surfactants and coconut oil alcohol sulphate, they remain completely intact in their natural structure. That makes it quite easy for microorganisms to 100 % decompose these surfactants very quickly. Sugar surfactants and coconut alcohol sulphate are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Hand Soap sensitive



### Sales units / Containers:

6 x 300 ml dispenser  
NET 10 fl oz US  
EAN Code: 4007547 30194 8

6 x 1 litre refill bottle  
NET 34 fl oz US  
EAN Code: 4007547 30184 9

### Product declaration:

Soap from olive oil, certified organic / biodynamic cultivation . . . . . >30%  
Soap from coconut oil, certified organically grown . . . 15–30%  
Sugar surfactant, conventional . . . . . 5–15%  
Vegetable alcohol (ethanol), conventional . . . . . 1–5%  
Vegetable glycerine, certified organically grown . . . . 1–5%  
Citrate, conventional . . . . . <1%  
Water, swirled . . . . . up to 100%

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerin\*, citric acid.

\*certified organically grown

### Note for people with allergies:

- Purely vegetable surfactants
- Without any petrochemical ingredients
- Without fragrances, colourings and complexing agents
- No preservatives
- No enzymes
- No GMO
- Completely biodegradable

## Sonett Hand Soaps

### Ranges of application:

Mild soaps for washing your hands and your entire body. To be used above all in locations where bars of soap are legally banned, as is the case in public toilets, company toilets, staff canteens, groceries, food-processing companies, social institutions, and restaurants. Also indicated for wall-mounted dispensers.

### Special product feature:

The oils and essential oils used for these hand soaps are 100 % derived from certified organic cultivation or collection from wild-growing plants. The organic coconut oil is obtained by small farms on the Philippines in the regions of Davao and Agusan. The coconut palm trees are being cultivated in a mixture with other crops on fields no larger than 5 ha. The organic olive oil originates from old olive groves in the Mediterranean region of Northern Tunisia.

### Certification:

NCS, [www.natural-cosmetics.cc](http://www.natural-cosmetics.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Biodegradability:** Soap made from vegetable oils has the unique property that, right after its use, it reacts chemically with the limescale always present in waste water, forming calcium soap. As a result, the surfactant effect of the soap is being neutralized (primary degradation). This primary degradation takes place within a few hours. Subsequently the calcium soap is, by microorganisms, 100 % decomposed into carbon dioxide and water (secondary degradation). Ethanol reintegrates into the natural cycle within a few hours. Apart from natural glycerine released from the oils during saponification, we add plant-based glycerine which binds moisture. Despite the fact that during the manufacturing of sugar surfactants, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants rapidly. Soap and sugar surfactant are classified as being readily biodegradable according to OECD guidelines.

### Technical data:

Density: 20 °C approx. 1.023 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>  
pH value: undiluted approx. 8.5–9

### Packaging:

Bottle, canister: PE  
Pump dispenser, cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Hand Soap Citrus



### Sales units / Containers:

6 x 300 ml dispenser  
NET 10 fl oz US  
EAN Code: 4007547 30244 0

6 x 1 litre refill bottle  
NET 34 fl oz US  
EAN Code: 4007547 30254 9

1 x 10 litre canister  
NET 2.6 gal US  
EAN Code: 4007547 30260 0

### Product declaration:

Soap from olive oil, certified organic / biodynamic cultivation . . . . . >30%  
Soap from coconut oil, certified organically grown . . . 15–30%  
Sugar surfactant, conventional . . . . . 5–15%  
Vegetable alcohol (ethanol), conventional . . . . . 1–5%  
Vegetable glycerine, certified organically grown . . . . . 1–5%  
Citrate, conventional . . . . . <1%  
Essential lemongrass oil and balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1%  
Gurjun balsam . . . . . <1%  
Water, swirled . . . . . up to 100%

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerine\*, citric acid, Cymbopogon flexuosus oil\* (contains citral\*, geraniol\*), dipterocarpus turbinatus balm extract, Laurus nobilis leaf extract\*, Boswellia serrata gum\*, Gold, Commiphora myrrha\*, Olea europaea fruit oil\*, Viscum album extract\*, Rosa damascena flower extract\*  
\*certified organically grown / wild harvest

## Hand Soap Lavender



### Sales units / Containers:

6 x 300 ml dispenser  
NET 10 fl oz US  
EAN Code: 4007547 30274 7

6 x 1 litre refill bottle  
NET 34 fl oz US  
EAN Code: 4007547 30284 6

1 x 10 litre canister  
NET 2.6 gal US  
EAN Code: 4007547 30294 5

### Product declaration:

Soap from olive oil, certified organic / biodynamic cultivation . . . . . >30%  
Soap from coconut oil, certified organically grown . . . 15–30%  
Sugar surfactant, conventional . . . . . 5–15%  
Vegetable alcohol (ethanol), conventional . . . . . 1–5%  
Vegetable glycerine, certified organically grown . . . . . 1–5%  
Citrate, conventional . . . . . <1%  
Essential lavender oil and balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1%  
Gurjun balsam . . . . . <1%  
Water, swirled . . . . . up to 100%

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerine\*, citric acid, Lavandula hybrida oil\* (contains citral\*), dipterocarpus turbinatus balm extract, Laurus nobilis leaf extract\*, Boswellia serrata gum\*, Gold, Commiphora myrrha\*, Olea europaea fruit oil\*, Viscum album extract\*, Rosa damascena flower extract\*  
\*certified organically grown / wild harvest

## Hand Soap Rosemary



### Sales units / Containers:

**6 x 300 ml dispenser**  
**NET 10 fl oz US**  
EAN Code: 4007547 20604 5

**6 x 1 litre refill bottle**  
**NET 34 fl oz US**  
EAN Code: 4007547 20614 4

**1 x 10 litre canister**  
**NET 2.6 gal US**  
EAN Code: 4007547 20624 3

### Product declaration:

Soap from olive oil, certified organic/biodynamic cultivation . . . . . >30 %  
Soap from coconut oil, certified organically grown . . . 15–30 %  
Sugar surfactant, conventional . . . . . 5–15 %  
Vegetable alcohol (ethanol), conventional . . . . . 1–5 %  
Vegetable glycerine, certified organically grown . . . . . 1–5 %  
Citrate, conventional . . . . . <1 %  
Essential oils of rosemary, clary sage, bergamot, lavender, incense, balsamic additives, certified organic/biodynamic cultivation / collection from wild-growing plants . . . . . <1 %  
Gurjun balsam . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerine\*, citric acid, Rosmarinus officinalis leaf oil\*, Salvia sclarea oil\*, Citrus aurantium ssp bergamia oil\* (contains limonene\*, linalool\*), Boswellia serrata oil\*, Lavandula hybrida oil\* (contains linalool\*), dipterocarpus turbinatus balm extract, Laurus nobilis leaf extract\*, Boswellia serrata gum\*, Gold, Commiphora myrrha\*, Olea europaea fruit oil\*, Viscum album extract\*, Rosa damascena flower extract\*  
\*certified organically grown / wild harvest

## Hand Soap Calendula



### Sales units / Containers:

**6 x 300 ml dispenser**  
**NET 10 fl oz US**  
EAN Code: 4007547 20644 1

**6 x 1 litre refill bottle**  
**NET 34 fl oz US**  
EAN Code: 4007547 20654 0

### Product declaration:

Soap from olive oil, certified organic/biodynamic cultivation . . . . . >30 %  
Soap from coconut oil, certified organically grown . . . 15–30 %  
Sugar surfactant, conventional . . . . . 5–15 %  
Vegetable alcohol (ethanol), conventional . . . . . 1–5 %  
Vegetable glycerine, certified organically grown . . . . . 1–5 %  
Spagyric Calendula essence, certified organically grown . . . . . <1 %  
Citrate, conventional . . . . . <1 %  
Essential oils of Atlas cedar, Litsea, sweet orange, bitter orange (petitgrain), rose geranium, balsamic additives, certified organic/biodynamic cultivation / collection from wild-growing plants . . . . . <1 %  
Gurjun balsam . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerine\*, citric acid, Cedrus atlantica bark oil\*, Litsea cubeba oil\* (contains citral\*, limonene\*, linalool\*), Citrus sinensis oil\* (contains limonene\*), Citrus aurantium amara fruit/leaf oil\* (contains linalool\*), Pelargonium graveoleus flower oil\* (contains geraniol\*, citronellol\*), dipterocarpus turbinatus balm extract, Laurus nobilis leaf extract\*, Boswellia serrata gum\*, Gold, Commiphora myrrha\*, Olea europaea fruit oil\*, Viscum album extract\*, Rosa damascena flower extract\*  
\*certified organically grown / wild harvest

## Hand Soap Rose



### Sales units / Containers:

**6 x 300 ml dispenser**  
**NET 10 fl oz US**  
EAN Code: 4007547 20504 8

**6 x 1 litre refill bottle**  
**NET 34 fl oz US**  
EAN Code: 4007547 20514 7

**1 x 10 litre canister**  
**NET 2.6 gal US**  
EAN Code: 4007547 20524 6

### Product declaration:

Soap from olive oil, certified organic/biodynamic cultivation . . . . . >30 %  
Soap from coconut oil, certified organically grown . . . 15–30 %  
Sugar surfactant, convent. . . . . 5–15 %  
Vegetable alcohol (ethanol), conventional . . . . . 1–5 %  
Vegetable glycerine, certified organically grown . . . . . 1–5 %  
Vegetable glycerine, certified organically grown . . . . . 1–5 %  
Citrate, conventional . . . . . <1 %  
Essential oils of palmarosa, rose geranium, lavender, lemongrass, balsamic additives, certified organic/biodynamic cultivation / collection from wild-growing plants . . . . . <1 %  
Gurjun balsam . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerine\*, citric acid, Cymbopogon martinii oil\* (contains geraniol\*); Pelargonium graveoleus flower oil\* (contains geraniol\*, citronellol\*), Lavandula hybrida oil\* (contains linalool\*), Cymbopogon flexuosus oil\* (contains citral\*, geraniol\*), dipterocarpus turbinatus balm extract, Laurus nobilis leaf extract\*, Boswellia serrata gum\*, Gold, Commiphora myrrha\*, Olea europaea fruit oil\*, Viscum album extract\*, Rosa damascena flower extract\*  
\*certified organically grown / wild harvest

## Hand Soap Epure



### Sales units / Containers:

**6 x 300 ml dispenser**  
**NET 10 fl oz US**  
EAN Code: 4007547 20544 8

**6 x 1 litre refill bottle**  
**NET 34 fl oz US**  
EAN Code: 4007547 20554 3

### Product declaration:

Soap from olive oil, certified organic/biodynamic cultivation . . . . . >30 %  
Soap from coconut oil, certified organically grown . . . 15–30 %  
Sugar surfactant, conventional . . . . . 5–15 %  
Vegetable alcohol (ethanol), conventional . . . . . 1–5 %  
Vegetable glycerine, certified organically grown . . . . . 1–5 %  
Citrate, conventional . . . . . <1 %  
Essential oils of lavender, mint, winter savory, clary sage, rhododendron, coriander, pepper, balsamic additives, certified organic/biodynamic cultivation / collection from wild-growing plants . . . . . <1 %  
Gurjun balsam . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium cocoate\*, coco glucoside, lauryl glucoside, alcohol denat., glycerine\*, citric acid, Lavandula hybrida oil\* (contains linalool\*), Mentha viridis leaf oil\* (contains limonene\*), Satureja montana oil\*, Salvia sclarea oil\*, Rhododendron anthopogon flower/leaf oil\* (contains limonene\*), Coriandrum sativum fruit oil\* (contains linalool\*), Piper nigrum fruit oil\* (contains limonene\*), dipterocarpus turbinatus balm extract, Laurus nobilis leaf extract\*, Boswellia serrata gum\*, Gold, Commiphora myrrha\*, Olea europaea fruit oil\*, Viscum album extract\*, Rosa damascena flower extract\*  
\*certified organically grown / wild harvest

## Curd Soap

For household use  
and workshop



### Sales units / Containers:

28 x 100 g bars individually  
packaged, NET 3.5 oz

EAN Code: 4007547 20211 5

### Ranges of application:

For household use and workshop  
areas as well as wherever durable,  
effectively cleansing hand soap without  
any additives is needed.

### Product declaration:

Soap from palm oil, certified  
organically grown . . . . . >30 %  
Soap from coconut oil,  
certified organically grown . . . 15–30 %  
Glycerine, certified organically  
grown . . . . . <1 %  
Salt . . . . . <1 %  
Sodium thiosulphate . . . . . <1 %

### Ingredients (INCI):

Sodium palmate\*, sodium cocoate\*,  
glycerine\*, sodium chloride, sodium  
thiosulfate

\*certified organically grown

### Origin and properties of the ingredients:

Soap being an active washing sub-  
stance, it is obtained by simply boiling  
fats with alkaline solution. Every fatty  
base differs in its washing properties  
somewhat from another because of  
their diversity of origin. Coconut-oil  
soap, e.g., possesses a very good clean-  
ing performance, even in cold and hard  
water; and soap made from palm oil  
contributes the required firmness to the  
soap which prevents it from quickly be-  
coming soggy when the soap happens  
to be left on a wet surface for a longer  
period of time.

### Special product feature:

This curd soap is manufactured without  
using fillers, dyestuffs, fragrances, opti-  
cal brighteners, and, above all, without  
any petrochemical complexing agents  
such as EDTA. It is thoroughly matured  
before being put on sale which in-  
creases its shelf life.

The slightly brown colouration of curd  
soap when stored for several years is a  
sign of the purely natural quality of this  
product and, in no way, impairs its qual-  
ity and washing performance.

### Certification:

NCS, [www.natural-cosmetics.cc](http://www.natural-cosmetics.cc)

CSE, [www.cse-label.org](http://www.cse-label.org)

Vegan Society [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Soap is slightly alcalic in its use.

pH value: 20 °C, 5 g / litre H<sub>2</sub>O

68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 9–9.5

### Biodegradability:

Soap is the only active washing sub-  
stance which right after its use loses  
its surfactant properties under direct  
reaction with limescale which is always  
present in waste water, thus becoming  
non-toxic to live aquatic organisms  
(primary degradation). The calcium soap  
(formed by the reaction) is then 100 %  
micro-organically decomposed into  
carbon dioxide and water (secondary  
degradation).

Soap is classified as being readily  
biodegradable according to OECD  
guidelines.

### Packaging:

Folding box: >70 % rec. mat.

Outer carton: 100 % rec. mat.

## Foam Soap Calendula for children



### Sales units / Containers:

6 x 200 ml foam dispenser  
NET 6.8 fl oz US

EAN Code: 4007547 20734 9

6 x 1 litre refill bottle

NET 34 fl oz US

EAN Code: 4007547 20744 8

### Ranges of application:

Soap for gentle cleaning of children's  
delicate skin. With spagyric Calendula  
essence. Wonderfully fruity-sweet smel-  
ling foam straight from the dispenser  
makes children enjoy washing their  
hands. Very economical in use.  
Recommended for children aged 3  
and over.

### Product declaration:

Soap from olive oil, certified organic/  
biodynamic cultivation . . . . . >30 %  
Soap from coconut oil, certified  
organically grown . . . . . .5–15 %  
Vegetable alcohol (ethanol),  
conventional . . . . . .5–10 %  
Sugar surfactant,  
conventional . . . . . .1–5 %  
Vegetable glycerine, certified  
organically grown . . . . . .1–5 %  
Spagyric Calendula essence,  
certified organically grown . . . . . <1 %  
Citrate, conventional . . . . . <1 %  
Essential oils from lemongrass,  
sweet orange, Litsea, silver fir,  
ylang-ylang, lavender, certified  
organically grown . . . . . <1 %  
Balsamic additives, certified  
organically grown / collection from  
wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### Ingredients (INCI):

Aqua, potassium olivate\*, potassium  
cocoate\*, coco glucoside, lauryl gluco-  
side, alcohol denat., glycerine\*, citric  
acid, Cymbopogon flexuosus oil\* (con-  
tains citral\*, geraniol\*), Citrus sinensis  
peel oil expressed\* (contains limo-  
nene\*), Litsea cubeba fruit oil\* (con-  
tains citral\*, limonene\*, linalool\*),  
Abies alba leaf oil\* (contains limo-  
nene\*), Lavandula hybrida oil\* (con-

tains linalool\*), Cananga odorata flower  
oil\*, Laurus nobilis leaf extract\*,  
Boswellia serrata gum\*, Gold, Commi-  
phora myrrha\*, Olea europaea fruit  
oil\*, Viscum album extract\*, Rosa  
damascena flower extract\*

\*certified organically grown / wild  
harvest

### Special product feature:

The oils and essential oils are  
100 % derived from certified organic  
cultivation. Calendula, also known by  
the name of marigold, turns its bright  
tangerine petals towards the sun  
thus growing and developing anti-  
inflammatory and cell-regenerating  
curative effects.

### Certification:

NCS, [www.natural-cosmetics.cc](http://www.natural-cosmetics.cc)

CSE, [www.cse-label.org](http://www.cse-label.org)

Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical Data:

Density: (20 °C) ca. 1,003 g / cm<sup>3</sup>

68 °F approx. 0.035 oz / in<sup>3</sup>

pH value: undiluted approx. 8.5–9

### Biodegradability:

Soap made from vegetable oils has the  
unique property that, right after its use,  
it reacts chemically with the limescale  
always present in waste water, forming  
calcium soap. As a result, the surfactant  
effect of the soap is being neutralized  
(primary degradation). This primary  
degradation takes place within a few  
hours. Subsequently the calcium soap  
is, by microorganisms, 100 % decom-  
posed into carbon dioxide and water  
(secondary degradation). Ethanol rein-  
tegrates into the natural cycle within a  
few hours. Apart from natural glycerine  
released from the oils during saponifi-  
cation, we add plant-based glycerine  
which binds moisture. Despite the fact  
that during the manufacturing of sugar  
surfactants, constituents are being  
extracted from the plant-based raw  
materials starch, sugar, and fat, they  
remain completely intact in their natu-  
ral molecular structure. For this reason  
it is relatively easy for the microorga-  
nisms to 100 % decompose these  
surfactants rapidly.

Soap and sugar surfactant are classified  
as being readily biodegradable accord-  
ing to OECD guidelines.

### Packaging:

Bottles: PE

Foam dispenser, cap: PE / PP

Label: PE

Outer carton: 100 % rec. mat.

## Bio Bubbles / Organic soap bubbles



### Sales units / Containers:

**45 ml container with triple blowing ring**  
NET 1.5 fl oz US

EAN Code: 4007547 20700 4

**12 x 45 ml display**  
NET 12 x 1.5 fl oz US

EAN Code: 4007547 21700 3

**6 x 0.5 litre refill bottle**  
NET 17 fl oz US

EAN Code: 4007547 20710 3

A toy for kids and adults to have fun with outdoors. The soap bubbles can be blown through rings of three different sizes and have been tested in accordance with CE safety standards.

### Product declaration:

Vegetable glycerine, certified organically grown . . . . . 5–15 %  
Vegetable alcohol (ethanol), certified organically grown . . . 5–15 %  
Sugar surfactant, conventional . . . . . 5–15 %  
Vegetable thickening agent (xanthan), conventional . . . . . <1 %  
Natural polymer, shellac, conventional . . . . . <1 %  
Water, swirled . . . . . ad 100 %

### Ingredients (INCI):

Aqua, glycerine\*, alcohol denat. \*, alkylpolyglucoside C8–C16 (coco glucoside), xanthan gum, shellac  
\*certified organically grown

### Special product feature:

The first soap bubbles from raw materials in organic quality, with natural shellac for beautiful, colorful and long-lasting soap bubbles.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)

### Technical data:

pH value: neutral



### Biodegradability:

Despite ingredients being extracted from the plant-based raw materials starch, sugar, and fat during the manufacturing process of sugar surfactants, they remain completely intact in their natural structure.

That makes it quite easy for microorganisms to 100 % decompose these surfactants very quickly. Sugar surfactants are classified as being readily biodegradable according to OECD guidelines.

Ethanol and glycerine reintegrate into the natural cycle within a few hours.

### Packaging:

Container: PP  
Cap, blowing ring, label, bottle: PE  
Outer carton: 100 % rec. mat

## All-Purpose Cleanser



### Sales units / Containers:

**6 x 0.5 litre bottle**  
NET 17 fl oz US

EAN Code: 4 007547 30414 7

**1 x 10 litre canister**  
NET 2.6 gal

EAN Code: 4 007547 30424 6

**1 x 20 litre canister**  
NET 5.2 gal

EAN Code: 4007547 30450 5

UFI: PK5T-EWF6-310J-70XY

### Ranges of application:

Cleans and protects floors, tiles, wash-basins, kitchen furniture, cars, etc. Suitable for large-area cleaning of windows.

### Dosage:

For use in mopping water: Fill in water, then add 5–10 ml (0.2–0.4 fl oz US) of All-Purpose Cleanser per 10 litres (2.6 gal) of water, depending on the degree of soiling.

Undiluted: Apply a few drops to a sponge or moistened cloth.

For the cleaning of windows: Fill in water, then add 5 ml (0.2 fl oz US) per 5 litres (1.3 gal) of water. Use sponge and squeegee.

### Product declaration:

Sugar surfactant . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . 1–5 %  
Vegetable alcohol (ethanol) . . . 1–5 %  
Salt . . . . . <1 %  
Orange peel oil . . . . . <1 %  
Citrate . . . . . <1 %  
Natural essential lemongrass oil, certified organically grown . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648/2004:

Aqua, alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C8–C14 fatty alcohol sulphate (sodium octyl sulfate, sodium lauryl sulfate), alcohol denat., sodium chloride, limonene, sodium citrate, parfum\*, citral\*  
\*certified organically grown

### Origin and properties of the ingredients:

Sugar surfactant and coconut oil alcohol sulphate, obtained from the raw materials sugar, starch, and coconut oil, are active cleaning substances, unaffected by hard water, which, next to soap, show the best degradation pattern. In this combination they possess outstanding grease- and dirt-dissolving properties. Orange-peel oil further improves and intensifies the fat-dissolving performance.

### Special product feature:

The first soap bubbles from raw materials in organic quality, with natural shellac for beautiful, colorful and long-lasting soap bubbles.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: (20 °C) approx. 1.027 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O approx. 7.5–8.5

Contains orange oil terpenes.

May produce an allergic reaction.

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and whitish; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

### Biodegradability:

Despite the fact that during the manufacturing of sugar surfactants and coconut oil alcohol sulphate, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Sugar surfactant and coconut oil alcohol sulphate are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Orange Power Cleaner



### Sales units / Containers:

**15 x 120 ml sample bottle**  
**NET 4 fl oz US**

EAN Code: 4007547 40544 8

**6 x 0.5 litre bottle**  
**NET 17 fl oz US**

EAN Code: 4007547 40554 7

**1 x 5 litre canister**  
**NET 1.3 gal**

EAN Code: 4007547 40564 6

**1 x 10 litre canister**  
**NET 2.6 gal**

EAN Code: 4007547 40574 5

UFI: PK5T-EWF6-310J-70XY

### Ranges of application:

Suitable for all water-proof surfaces. Removes stubborn dirt and grease in kitchens, bathrooms, toilets, and workshops.

### Application / Dosage:

1. For vigorous cleaning and grease removal of exhaust hoods, stoves, cookers, sooty stove panes as well as metal surfaces in repair shops.

Dosage: depending on the degree of soiling, use the product either undiluted, or dilute it with water up to 1:10.

2. For the cleaning of floors:

5 ml per 10 litres (0.2 fl oz US on 2.6 gal) of water. Please use the attached measuring cap for dosage, measuring unit 5 ml (approx. 0.2 fl oz US).

3. For the cleaning of windows:

Fill in water, then add 5 ml (0.2 fl oz US) per 5 litres (1.3 gal) of water. Use sponge and squeegee.

### Product declaration:

Sugar surfactant . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . 5–15 %  
Vegetable alcohol (ethanol) . . . 5–15 %  
Orange peel oil . . . . . <2.5 %  
Citrate . . . . . <1 %  
Natural essential oils of sweet orange, bergamot, citronella, cajuput, certified organically grown . . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, alkylpolyglucoside C8–C16 (coco

glucoside, lauryl glucoside), sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), alcohol denat., limonene, sodium citrate, parfum\*, limonene\*, linalool\*, citronellol\*, geraniol\*/certified organically grown

### Origin and properties of the ingredients:

Sugar, starch, and coconut oil serve as raw materials for the sugar surfactants used. Combined with coconut-oil alcohol sulphate, produced from coconut oil and sulphur oxides, they form a combination of substances which complement each other, increase their cleansing performance and possess excellent grease-dissolving properties as well as outstanding skin tolerance. The fat-dissolving performance is further increased thanks to the orange-peel oil used.

### Special product feature:

100 % biodegradable. This orange power cleaner combines an excellent efficacy with a high skin tolerance—characteristics which are becoming more and more important for the use in the commercial area.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.021 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 7.5–8.5

### Danger symbol: ⚠

**Warning:** Contains d-limonene from essential oil of sweet orange and orange peel oil: May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. **If in eyes:** Keep out of reach of children. Avoid release to the environment. Wear protective gloves. If skin irritation or rash occurs: Get medical advice / attention. Dispose of contents / container according to the local / national regulations.

### Biodegradability:

Despite the fact that during the manufacturing of sugar surfactants and coconut oil alcohol sulphate, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Sugar surfactant and coconut oil alcohol sulphate are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Bathroom Cleaner

With citric acid



### Sales units / Containers:

**6 x 0.5 litre spray bottle**  
**NET 17 fl oz US**

EAN Code: 4007547 30154 2

**6 x 1 litre refill bottle**  
**NET 34 fl oz US**

EAN Code: 4007547 30164 1

**1 x 10 litre canister**  
**NET 2.6 gal**

EAN Code: 4007547 30174 0

### Ranges of application:

The Bathroom Cleaner can be used wherever you need to remove lime scale and greasy dirt at the same time. Removes limescale deposits in hard-to-reach places and simultaneously cleans fittings, stainless steel, floor tiles and shower walls in bathrooms and kitchens.

### Application / Dosage:

Spray and leave on for several minutes—depending on the limescale deposits, wipe off and rinse with clean water. Attention: Not suitable for calcareous surfaces such as marble, alabaster, terrazzo, artificial stone, concrete, etc. Before use, wet calcareous grout with a copious amount of water.

### Product declaration:

Citric acid . . . . . 5–15 %  
Vegetable alcohol (ethanol) . . . 5–15 %  
Sugar surfactants . . . . . 1–5 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, citric acid, alcohol denat., alkylpolyglucoside C8–C16 (coco glucoside)

### Origin and properties of the ingredients:

Vegetable alcohol (ethanol) is obtained by fermentation of vegetable starch. Sugar surfactant is manufactured from vegetable starch and coconut oil. Ethanol and sugar surfactant dissolve the dirt and allow the water to run off. Citric acid, in food grade, removes the limescale deposits.

### Special product feature:

Easy to use: Simply spray on, leave on to take effect, rinse or lightly wipe off, and your result is spic and span with impeccable ecological quality on top.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.017 g/cm<sup>3</sup>  
68 °F approx. 0.036 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 4–5

### Biodegradability:

Ethanol, in small quantities, is also present in nature. Once fed into waste water, it is rapidly and completely degraded into carbon dioxide and water. During the manufacturing process of coconut oil alcohol sulphate and sugar surfactants, the organic constituents of the coconut oil and starch types are combined in such a way that their natural molecular structure remains intact. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Citric acid is a constituent of plant, animal and human organisms, and is therefore rapidly and completely degraded into carbon dioxide and water by naturally present microorganisms. Sugar surfactants are classified as readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Toilet Cleaner

Cedar-Citronella



### Sales units / Containers:

6 x 750 ml bottle

NET 25 fl oz US

EAN Code: 4007547 30014 9

1 x 10 litre canister

NET 2.6 gal

EAN Code: 4007547 30020 0

### Ranges of application:

For normal toilet cleaning, spray the cleaner sparingly underneath the rim of the bowl and scrub with the brush. In case of stubborn dirt and urine deposits, leave cleaner on to act overnight and rinse the following day. Repeat process if necessary. For iron and manganese deposits in toilets use Sonett Scouring Powder.

**Attention:** Please avoid contact with calcareous surfaces such as marble, concrete, artificial stone, etc.

### Product declaration:

Citric acid . . . . . 5–15 %  
Vegetable alcohol (ethanol) . 5–15 %  
Coconut oil alcohol sulphate and sugar surfactants . . . . . 1–5 %  
Vegetable thickening agent . . . <1 %  
Natural essential oils of cedar and citronella, certified organically grown . . . . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, citric acid, alcohol denat., alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), polysaccharide (xanthan gum), parfum\*, geraniol\*, citronellol\*, limonene\*

\*certified organically grown

### Origin and properties of the ingredients:

Citric acid is obtained by fermenting sugar-containing industrial by-products such as molasses. Thanks to its ability to form compounds with calcium carbonate, releasing carbon dioxide by doing so, it is used in toilet cleaners to dissolve limescale deposits. The vegetable thickening agent helps to ensure that the cleaner adheres to the surface and is able to act upon the deposits. Coconut oil alcohol sulphate and sugar surfactants obtained from coconut oil, starch, and sugar, are added in small quantities to facilitate the dissolution of greasy dirt.

### Special product feature:

Thanks to the product's good adhesion to the walls of the toilet bowl, its entire active performance may be fully exploited. A mixture of natural essential oils containing coniferous tree oils ensures an effective reduction of germs and a fresh scent.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.007 g / cm<sup>3</sup>  
68 °F approx. 0.035 oz / in<sup>3</sup>

pH value: 20 °C, 5 g / litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 5–6

Contains essential oil of citronella (Cymbopogon winterianus, extract). May produce an allergic reaction.

### Biodegradability:

Citric acid is a constituent of plant, animal and human organisms, and is therefore rapidly and completely degraded into carbon dioxide and water by naturally present microorganisms. During the manufacturing process of coconut oil alcohol sulphate and sugar surfactants, the organic constituents of the coconut oil and starch types are combined in such a way that their natural molecular structure remains intact. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Sugar surfactants and coconut oil alcohol sulphate are classified as readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Toilet Cleaner

Mint-Myrtle



### Sales units / Containers:

6 x 750 ml bottle

NET 25 fl oz US

EAN Code: 4007547 30054 5

### Ranges of application:

For normal toilet cleaning, spray the cleaner sparingly underneath the rim of the bowl and scrub with the brush. In case of stubborn dirt and urine deposits, leave cleaner on to act overnight and rinse the following day. Repeat process if necessary. For iron and manganese deposits in toilets use Sonett Scouring Powder.

**Attention:** Please avoid contact with calcareous surfaces such as marble, concrete, artificial stone, etc.

### Product declaration:

Citric acid . . . . . 5–15 %  
Vegetable alcohol (ethanol) . . . 5–15 %  
Coconut oil alcohol sulphate and sugar surfactants . . . . . 1–5 %  
Vegetable thickening agent . . . . <1 %  
Natural essential oils of mint and myrtle, certified organically grown <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per

#### EC 648 / 2004:

Aqua, citric acid, alcohol denat., alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), polysaccharide (xanthan gum), parfum\*, linalool\*, limonene\*  
\*certified organically grown

### Origin and properties of the ingredients:

Citric acid is obtained by fermenting sugar-containing industrial by-products such as molasses. Thanks to its ability to form compounds with calcium carbonate, releasing carbon dioxide by doing so, it is used in toilet cleaners to dissolve limescale deposits. The vegetable thickening agent helps to ensure that the cleaner adheres to the surface and is able to act upon the deposits. Coconut oil alcohol sulphate and sugar surfactants obtained from coconut oil,

starch, and sugar, are added in small quantities to facilitate the dissolution of greasy dirt.

### Special product feature:

With the fragrance of fresh mint and tangy myrtle. The essential oils originate 100 % from certified organic cultivation. Soiling and limescale are efficiently being eliminated thanks to purely vegetal surfactants and the power of citric acid. The product is vegan and completely biodegradable.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.007 g / cm<sup>3</sup>  
68 °F approx. 0.035 oz / in<sup>3</sup>

pH value: 20 °C, 5 g / litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 5–6

Contains essential mint oil (Mentha arvensis, extract). May produce an allergic reaction.

### Biodegradability:

Citric acid is a constituent of plant, animal and human organisms, and is therefore rapidly and completely degraded into carbon dioxide and water by naturally present microorganisms. During the manufacturing process of coconut oil alcohol sulphate and sugar surfactants, the organic constituents of the coconut oil and starch types are combined in such a way that their natural molecular structure remains intact. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Sugar surfactants and coconut oil alcohol sulphate are classified as readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE / PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Decalcifier

For kitchen, bath and toilet



### Sales units / Containers:

6 x 1 litre bottle

NET 34 fl oz US

EAN Code: 4007547 30304 1

1 x 10 litre canister

NET 2.6 gal

EAN Code: 4007547 30394 2

UFI: U14T-AW11-K10M-AVFT

### Ranges of application:

The Decalcifier is to be used efficiently wherever heavy limescale deposit is encountered on fittings, tiles, toilets, cookware, coffee makers, washing machines, etc.

**Attention:** Citric acid has a descaling effect. Please avoid contact with calcareous surfaces such as marble, concrete, artificial stone, limestone.

### Application / Dosage:

**Use undiluted:** on fittings, tiles, toilets—where the Decalcifier cannot be heated—allow it to act for a few minutes, depending on the thickness of the limescale, then thoroughly rinse off with clear water.

**Use diluted:** on cookware and for decalcifying machines—where the acid can be heated and therefore is more effective.

**Kettles:** Add approx. 100 ml (3.5 fl oz US) of Decalcifier to 0.5 litre (17 fl oz US) of water, heat up to approx. 60 °C (140 °F), allow it to act for 20–30 minutes, then rinse off thoroughly.

**Coffeemakers:** Fill 200 ml (7 fl oz US) of Decalcifier and 800 ml (27 fl oz US) of water into the water container and descale according to the manufacturer's instructions. Afterwards run fresh water until the water is clear.

**4.5 kg (10 lb) washing machine:** Add 1 litre (34 fl oz US) of Decalcifier to the main washing cycle at 60 °C (140 °F) without previous loading and have the machine run one cycle. Afterwards remove the residues from the fluff sieve/filter of your washing machine.

**Dishwasher:** Add 1 litre (34 fl oz US) of Decalcifier to the main washing cycle of the longest programme (once the pre-washing cycle is finished!)—

with or without dishes. Let the programme run until the end.

### Product declaration:

Citric acid . . . . . 15–30 %  
Vegetable alcohol (ethanol) . . . . . 5–15 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per

EC 648/2004:

Aqua, citric acid, alcohol denat.

### Origin and properties of the ingredients:

The by-products, such as molasses, originating from the sugar industry, serve for obtaining citric acid. During descaling, the citric acid, thanks to its acidic property, acts upon the precipitated limescale, dissolving it again by releasing carbon dioxide.

### Special product feature:

Citric acid being of food-grade quality it is better indicated than other acids for multi-purpose descaling in kitchen and sanitary areas, thanks to its unobtrusive odour and in virtue of its gentle effect on metal and plastics in kitchen and sanitary areas.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.07 g/cm<sup>3</sup>

68 °F approx. 0.038 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O

68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 3–4

### Danger symbol:

**Warning:** Contains citric acid in food quality: Causes serious eye irritation.

If medical advice is needed, have product container or label at hand. Keep out of reach of children. **If in eyes:**

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. Dispose of contents/container according to the local/national regulations.

### Biodegradability:

Citric acid is a constituent of plant, animal and human organisms, and is therefore rapidly and completely degraded into carbon dioxide and water by naturally present microorganisms. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Multi-Surface and Glass Cleaner



### Sales units / Containers:

6 x 0.5 litre spray bottle

NET 17 fl oz US

EAN Code: 4007547 30104 7

6 x 1 litre refill bottle

NET 34 fl oz US

EAN Code: 4007547 30114 6

1 x 10 litre canister

NET 2.6 gal

EAN Code: 4007547 30124 5

### Ranges of application:

Thoroughly cleans small glass surfaces such as panes, mirrors, and counters without leaving any streaks. Cleans stainless steel and plastic surfaces and removes finger prints from metal surfaces. For the cleaning of large window panes, please use Sonett All-Purpose Cleanser and work with sponge and squeegee.

### Application / Dosage:

Spray thoroughly onto surface and polish dry with a microfibre cloth. Please remove heavy dirt beforehand.

### Product declaration:

Vegetable alcohol (ethanol) . . . . . 15–30 %

Sugar surfactant and coconut

oil alcohol sulphate . . . . . <1 %

Natural essential oils of

lavender and lemongrass, . . . . . <1 %

certified organically grown . . . . . <1 %

Water, swirled . . . . . up to 100 %

### List of ingredients as per

EC 648/2004:

Aqua, alcohol denat., alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), parfum\*, linalool\*, citral\*

\*certified organically grown

### Origin and properties of the ingredients:

Ethanol is obtained by fermenting the starch, contained in maize and potatoes. The concentration of the alcoholic solution of the Glass Cleaner is such, that it leaves no streaks on the glass surface and that the latter will dry quickly. In addition, ethanol helps to thoroughly eliminate greasy dirt. Coconut oil alcohol sulphate and sugar surfactant, obtained from vegetable starch and coconut oil, help to macerate and loosen dirt.

### Special product feature:

The Glass Cleaner develops its very good cleaning performance even with heavily soiled greasy surfaces and lends the rooms a lovely fresh fragrance.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 0.978 g/cm<sup>3</sup>

68 °F approx. 0.034 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O

68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 7–8

### Biodegradability:

Ethanol, in small quantities, is also present in nature. Once fed into waste water, it is rapidly and completely degraded into carbon dioxide and water. During the manufacturing process of coconut oil alcohol sulphate and sugar surfactants, the organic constituents of the coconut oil and starch types are combined in such a way that their natural molecular structure remains intact. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Sugar surfactants and coconut oil alcohol sulphate are classified as readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Scouring Fluid



### Sales units / Containers:

6 x 500 ml bottle  
NET 17 fl oz US  
EAN Code: 4007547 40004 7

### Ranges of application:

For gently cleaning stainless steel, enamel, plastic, glass ceramics, fittings, silver. For stubborn dirt and light lime scale deposits, we recommend the use of Sonett Scouring Powder.

Not suitable for acrylic glass.

### Application / Dosage:

Apply the Scouring Fluid straight to the surface to be cleaned. Rub in with a damp cloth and then wipe off or rinse with clean water. Shake before use. Keep the cap tightly closed.

### Product declaration:

Finely ground calcium carbonate	>50 %
Vegetable alcohol (ethanol)	1–5 %
Coconut oil alcohol sulphate	<1 %
Sugar surfactants	<1 %
Natural essential oils from lavender and lemongrass, certified organically grown	<1 %
Water	up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, calcium carbonate, alcohol denat., sodium C12–C14 fatty alcohol sulphate (sodium lauryl sulfate), alkylpolyglucoside C10–C16 (lauryl glucoside), parfum\*, linalool\*, citral\*  
\*certified organically grown

### Origin and properties of the ingredients:

Calcium Carbonate (CaCO<sub>2</sub>) figures among the most widespread minerals on earth. For this product we use calcium carbonate originating from the deposits of the Swabian Alb. It is slightly abrasive and serves as the main ingredient of the Scouring Fluid. Its cleaning efficiency is enhanced by the fat-dissolving performance of coconut-oil alcohol sulphate and sugar surfactants. Coconut-oil alcohol sulphate is obtained by having coconut oil react with sulphur. Sugar surfactants are obtained by forming compounds of coconut oil and sugar derived from molasses or starch, adding small amounts of acids as catalyst.

### Special product feature:

This Scouring Fluid is based on pure lime powder and is extraordinarily mild and gentle in its use. Thanks to the mixture of natural lavender and citrus oils used, a slightly germ-inhibiting effect is achieved.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.25 g/cm<sup>3</sup>  
68 °F approx. 0.044 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 7–8

### Biodegradability:

Lime powder is a mineral by nature needing no further degradation. Despite the fact that during the manufacturing of coconut oil alcohol sulphate and sugar surfactants, constituents are being extracted from the plant-based raw materials starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants rapidly. Sugar surfactant and coconut oil alcohol sulphate are classified as being readily biodegradable according to OECD guidelines.

Suitable for septic tanks and filtration systems.

### Packaging:

Bottle: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Scouring Powder Cleaning Powder Concentrate



### Sales units / Containers:

6 x 450 g powder dispenser  
NET 16 oz  
EAN Code: 4007547 40104 4

### Ranges of application:

The cleaning agent has versatile use in the sanitary and kitchen areas. It cleans washbasins, toilets and bathtubs and effortlessly removes burnt-on residues from cookware and greasy deposits from stoves and baking ovens, without scratching. Thanks to the gentle action of pumice, it is even suitable for sensitive glass ceramic cooking hobs and very effective for cleaning garden furniture and sooty fireplace viewing panels.

Not suitable for acrylic glass.

### Application / Dosage:

Apply the powder and clean with a damp sponge, brush or cloth. Very economical.

### Product declaration:

Pumice powder	>30 %
Sodium carbonate	5–15 %
Alumina	5–15 %
Vegetable soap, certified organically grown	1–5 %
Natural essential sage oil, certified organically grown	<1 %
Natural essential cajuput oil, certified organically grown	<1 %
Balsamic additives, certified organically grown / collection from wild-growing plants	<1 %

### List of ingredients as per EC 648 / 2004:

Pumice, sodium carbonate, bentonite, sodium soap\*, parfum\*, limonene\*, linalool\*  
\*certified organically grown

### Origin and properties of the ingredients:

Pumice is a fluffy, soft, volcanic stone, derived from rapidly cooled off lava. The fast cooling process prevents the formation of sharp-edged crystals. Finely ground, it is, therefore, an extremely gentle yet effective cleaning material. Sodium carbonate and soap endow the

cleaning agent with its superior grease- and dirt-dissolving performance. Once the dirt has come loose, it is absorbed by the natural alumina thanks to the excellent swelling and bonding properties of the latter. The essential oils made from sage and cajuput (of the family Myrtaceae) give a pleasant, fresh fragrance and have a germ-inhibiting effect.

### Special product feature:

Contrary to liquid products, which consist of 70–80 % of water, the stringent ecological requirements, i. e. combining the highest level of active substances with the lowest possible transport weight, are met by the cleaning agents in powder form. Consequently, this is a highly economical and efficient cleaning agent.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 0.5–0.6 g/cm<sup>3</sup>  
68 °F approx. 0.017–0.021 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 9–10

### Biodegradability:

The main ingredients of this cleaning agent are stone meal and soil rich in silicates. These are immediately reintegrated into nature, and there is absolutely no need for them to be degraded. Sodium carbonate being a mineral substance does not need any further degradation either. Soap made from vegetable oils has one outstanding feature compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water, resulting in calcium soap, thus neutralising its surfactant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Soap is classified as being readily biodegradable according to OECD guidelines.

Suitable for septic tanks and filtration systems.

### Packaging:

Powder dispenser: PE  
Lid: PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Floor Mopping Fluid

With organic olive oil soap and beeswax



### Sales units / Containers:

6 x 0.5 litre bottle

NET 17 fl oz US

EAN Code: 4007547 30944 9

1 x 5 litre canister

NET 1.3 gal

EAN Code: 4007547 30954 8

UFI: 4W5T-FW6S-A10H-VD97

### Ranges of application:

- Protects waxed, oiled and varnished floors with a natural wax film.
- Suitable for wood, cork, parquet flooring, stone, tiles, linoleum.
- Protects without building up layers.

### Application / Dosage:

Porous, oiled, unsealed wooden and stone floors: 10 ml (0,4 fl oz) per 5 litres (1.3 gal) of water.

Varnished and sealed surfaces of wood, cork, linoleum and tiles: 5 ml (0.2 fl oz) per 5 litres (1.3 gal) of water.

Please use the attached measuring cup for dosage.

**Attention:** Not to be used undiluted. Shake well before use. It may darken untreated wood, please test on a suitable spot before use. Floors primed with hard oil or wax, have to be professionally re-oiled or waxed in regular intervals.

### Product declaration:

Soap from olive oil, certified organically grown . . . . . >30 %  
 Beeswax . . . . . 5–15 %  
 Vegetable alcohol (ethanol) . . . . . 5–15 %  
 Sugar surfactants . . . . . 5–15 %  
 Carnauba wax, certified organically grown . . . . . 1–5 %  
 Essential cajuput oil, certified organically grown . . . . . <1 %  
 Balsamic additives, certified organically grown/collection from wild-growing plants . . . . . <1 %  
 Water . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, potassium soap\*, cera alba, alcohol denat., alkylpolyglucoside C8–C16 (coco glucoside), copernicia cerifera\*, parfum\*, linalool\*, limonene\*  
 \*certified organically grown

### Origin and properties of the ingredients:

Beeswax and carnauba wax are used for, with a thin wax layer, gently protecting all surfaces made from wood, cork, linoleum, stone, etc. The organic carnauba wax is obtained from the leaves of the South American carnauba palm. Beeswax is a side product of apiculture whilst honey is being extracted from honeycombs by centrifuging. The basis of this floor mopping fluid is organic olive-oil soap. Pure certified organically grown olive oil, by means of potassium hydroxide solution, is made into soap using a simple process without being exposed to external energy supply. Thanks to its slightly lipid-replenishing characteristics, the olive oil supports both wax components in their nourishing properties, furthermore having outstanding cleansing properties. Ethanol, obtained by fermenting farinaceous plants or sugar-containing by-products such as molasses, helps maintaining the soap fluid, thus enabling a highly concentrated liquid product. Apart from its pleasantly refreshing fragrance, essential cajuput oil has a germ-inhibiting effect.

### Special product feature:

A mopping fluid based on organic olive-oil soap, organic carnauba wax and beeswax - free from petrochemical solvents, brighteners, emulsifiers and preservatives. Free from silicone oils. Completely biodegradable.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
 CSE, [www.cse-label.org](http://www.cse-label.org)

### Technical data:

Density: 20 °C approx. 0.99 g/cm<sup>3</sup>  
 68 °F approx. 0.035 oz/in<sup>3</sup>  
 pH value: 20 °C, 20 ml/10 l H<sub>2</sub>O  
 68 °F, 0.68 fl oz / 2.6 gal US H<sub>2</sub>O approx. 7–8  
 Store in a frost-free environment.

### Danger symbol: ⚠

**Warning:** Contains essential cajuput oil, extract. May produce an allergic reaction. Causes skin irritation. Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. If in eyes: 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.

### Biodegradability:

Carnauba wax and beeswax are natural waxes which are biodegradable. Soap made from organic olive oil, like all vegetable soaps, has one outstanding feature compared to all the other active washing substances, namely that, right after its use, it reacts chemically with the limescale always present in waste water, resulting in calcium soap, thus neutralising its surfactant effect on aquatic organisms (primary degradation). The calcium soap is then, by microorganisms, 100 % degraded into carbon dioxide and water (secondary degradation). Despite the fact that during the manufacturing of sugar surfactants, constituents are being extracted from the plant-based raw materials, i.e. starch, sugar, and fat, they remain completely intact in their natural molecular structure. For this reason it is relatively easy for the microorganisms to 100 % decompose these surfactants. Soap and sugar surfactants are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
 Cap: PE/PP  
 Label: PE  
 Outer carton: 100 % rec. mat.

## Hand Disinfectant

Ready-to-use solution



### Directive on Biocides:

BAuA Reg.-Nr. N-43659 (= Federal Institute for Occupational Safety and Health) VAH Listing (Association for Applied Hygiene) IE: PCS 100063

### Sales units / Containers:

6 x 300 ml dispenser

NET 10 fl oz US

EAN Code: 4007547 20914 5

6 x 1 litre refill bottle

NET 34 fl oz US

EAN Code: 4007547 20924 4

UFI: 986T-FWYJ-J10G-HRMG

### Ranges of application:

Ready-to-use alcoholic solution, suitable for the hygienic disinfection of your hands. Effective against bacteria, MRSA, ESBL, enveloped viruses including influenza viruses, noroviruses and coronaviruses.

### Application / Dosage:

Rub into your hands 2 x 3 ml for approx. 1 minute. Once this time is elapsed, all vegetative germs of bacteria, such as Salmonella or coli and influenza viruses will have been destroyed. Use Sonett Hand Disinfectant safely. Always read labelling and product information prior to its use.

### Product declaration:

Vegetable alcohol (ethanol), certified organically grown 70 Vol. % (623.7 g/kg)  
 Vegetable glycerine, certified organically grown . . . . . <1 %  
 Essential bergamot oil, certified organically grown . . . . . <1 %  
 Potassium citrate . . . . . <1 %  
 Water . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Alcohol denat. \*, aqua, glycerine\*, potassium citrate, parfum\*, limonene\*  
 \*certified organically grown

**Tested according to European standards:** In case of low load and 20 °C (68 °F), concentrated, EN 1276, EN 13697, MRSA/ESBL . . . . . 1 min.

**Origin and properties of the ingredients:**

Pure vegetable organic alcohol effectively destroys a wide range of bacteria and viruses. Alcohol is obtained by fermenting farinaceous plants such as grain, maize or potatoes. The alcohol's effect is based, amongst other things, on its property to extract the intracellular water from the microorganism. A small amount of plant-based organic glycerine added impedes dehydration of the skin.

**Special product feature:**

An extremely effective hand disinfectant with 70 % vegetable alcohol originating 100 % from certified organic cultivation. A small amount of plant-based certified organically grown glycerine keeps your skin soft and protects it from dryness.

**Certification:**

CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

**Density:** 20 °C approx. 0.88 g/cm<sup>3</sup>  
68 °F approx. 0.031 oz/in<sup>3</sup>

**pH value:** 20 °C (68 °F) ready-to-use solution approx. 8–8.5

**Flashpoint:** 21.6 °C (69.8 °F)

Do not store at a temperature exceeding 25 °C (77 °F).

Contains essential bergamot oil (Citrus aurantium ssp bergamia oil). May produce an allergic reaction.

**Danger symbol:**  

**Danger:** Highly flammable liquid and vapour. Causes serious eye irritation. Keep out of reach of children. Keep away from heat/sparks/open flames. No smoking. **If in eyes:** 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 and have product container or label at hand. Dispose of contents/container according to the local/national regulations.

**Biodegradability:**

The product's main ingredient is ethanol derived from grain which is certified organically grown. This alcohol is 100 % biodegradable within 1–2 days. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

**Hand Disinfectant**

**Time required for application/Effectiveness:**

**VAH Listing (Association for Applied Hygiene):** hygienic hand disinfection / bactericidal, yeasticidal

Limited virucidal efficacy against all enveloped viruses such as HIV, HCV, HBV, herpes simplex, influenza viruses incl. H1N1, H5N1, Ebolavirus (Filoviridae), coronaviruses.

**Tested according to European standards:**

In case of low load and 20 °C (68 °F), concentrated EN 1236, EN 13697, MRSA/ESBL: 1 min.  
EN 14476:2013+A2:2019: 1 min.  
EN 1500:2017: 1 min.  
Standard VAH (requirements and methods 2015/2019): 1 min.

**Surface Disinfectant**

**Time required for application/Effectiveness:**

**DVG Listing Food Sector:** Bactericidal, fungicidal and yeasticidal efficacy

Slightly polluted: 20 °C (68 °F)  
Sector C (institutional catering) concentrated, 15 min.  
Sector A (meat and food of animal origin) concentrated, 30 min.

**Limited virucidal efficacy** as per RKI recommendation (2017, 60: 353-363): effective against all enveloped viruses such as, HIV, HCV, HBV, herpes simplex, influenza viruses incl. H1N1, H5N1, noroviruses, Ebolavirus (Filoviridae), coronaviruses, measles virus (Paramyxoviridae): 20 °C (68 °F), concentrated., 30 sec.

**Tested according to European standards:**

in case of low load and 20 °C (68 °F), concentrated  
EN 1276, bactericidal: 1 min.  
EN 1650, fungicidal: 15 min.  
EN 14476, 2007-02, noroviruses: 30 sec.  
EN 13697, bactericidal: 1 min.  
EN 13697, fungicidal: 15 min.  
EN 13697, yeasticidal: 1 min.  
EN 1276, EN 13697, MRSA/ESBL: 5 min.

**BZH (Deutsches Beratungszentrum für Hygiene = German Advisory Centre for Hygiene)**

Expert's report, dated March 23, 2011, on use for medical purposes (excepting medicinal products) in doctors' surgeries, physiotherapy practices, or the like.

**Surface Disinfectant**

**Ready-to-use solution**



**Directive on Biocides:**

BAuA Reg. Nr.: N-20352, N-20357 (= Federal Institute for Occupational Safety and Health)  
DVG Listing (German Society of Veterinary Medicine): Licence Agreement of 30.11.2011 / IE: PCS 100064

**Sales units/Containers:**

**6 x 0.5 litre spray bottle**  
**NET 17 fl oz US**

EAN Code: 4007547 30314 0

**6 x 1 litre refill bottle**  
**NET 34 fl oz US**

EAN Code: 4007547 30324 9

**1 x 10 litre canister**  
**NET 2.6 gal**

EAN Code: 4007547 30334 8

UFI: 2367-FWKJ-X10H-62FC

**Application/Dosage:**

For disinfecting all surfaces, working surfaces and appliances resistant to alcohol in sanitary areas, kitchens and food processing. Ready-to-use solution, which can be applied by spraying or wiping. The product dries up without leaving any residue. Wet the clean objects and surfaces by either spraying or wiping them. Be careful with electrical equipment: It must be turned off.  
**Amount to use:** 50 ml/m<sup>2</sup> (1.7 fl oz US/10.7 sqft) per surface of max. 2 m<sup>2</sup> (21 sqft).  
Use Sonett Surface Disinfectant safely. Always read labelling and product information prior to its use.

**Product declaration:**

Active ingredient: vegetable alcohol (ethanol) 70 Vol. % (623.7 g/kg)  
Natural essential sage oil, certified organically grown . . . . . <1 %  
Natural essential lavender oil, certified organically grown . . . . . <1 %  
Water . . . . . up to 100 %

**List of ingredients as per EC 648/2004:**

Alcohol denat., aqua, parfum\*, linalool\*, limonene\*  
\*certified organically grown

**Origin and properties of the ingredients:**

Vegetable alcohol with a fragrance blend of essential sage and lavender oil effectively destroys a wide range of bacteria, yeasts, fungi and viruses. Alcohol is obtained by fermenting farinaceous plants such as grain, maize or potatoes. The alcohol's effect is based, amongst other things, on its property to extract the intracellular water from microorganisms.

**Special product feature:**

Purely plant-based ingredients are the special characteristics of this surface disinfectant making it a real alternative to the well-known agents obtained using synthetic active ingredients with their problematic side effects. For centuries alcohol has been used for disinfection, and to this day no microorganism is known that is resistant to alcohol.

**Certification:**

CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

**Technical data:**

**Density:** 20 °C approx. 0.88 g/cm<sup>3</sup>  
68 °F approx. 0.031 oz/in<sup>3</sup>

**pH value:** 20 °C (68 °F) ready-to-use solution approx. 8–9

**Flashpoint:** 21.6 °C (69.8 °F)

Do not store at a temperature exceeding 25 °C (77 °F).

**Danger symbol:**  

**Danger:** Highly flammable liquid and vapour. Causes serious eye irritation. Keep out of reach of children. Keep away from heat/sparks/open flames. No smoking. **If in eyes:** 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 and have product container or label at hand. Dispose of contents/container according to the local/national regulations.

**Biodegradability:**

In waste water, ethanol is 100 % decomposed into carbon dioxide and water after just a few hours. The essential oils from sage and lavender being substances present in nature, very rapidly are reintegrated into nature's cycle. Suitable for septic tanks and filtration systems.

**Packaging:**

Bottle, canister: PE  
Cap: PE/PP  
Label: PE  
Outer carton: 100 % rec. mat.

## Dishwashing Liquid Lemon



### Sales units / Containers:

15 x 120 ml sample bottle

NET 4 fl oz US

EAN Code: 4007547 30744 5

6 x 300 ml dispenser bottle

NET 10 fl oz US

EAN Code: 4007547 30734 6

6 x 1 litre refill bottle

NET 34 fl oz US

EAN Code: 4007547 30702 5

1 x 5 litre canister

NET 1.3 gal

EAN Code: 4007547 30764 3

1 x 10 litre canister

NET 2.6 gal

EAN Code: 4007547 30720 9

1 x 20 litre canister

NET 5.2 gal

EAN Code: 4007547 30090 3

### Ranges of application:

This is an extremely economical concentrated liquid for manual dishwashing, which even people with sensitive skin consider being exceptionally gentle to their skin.

### Dosage:

Add 2 dashes, approx. 3 ml/5 litres (0.1 fl oz US/1.3 gal) of water to the dishwashing water or apply straight onto the sponge.

### Product declaration:

Sugar surfactants . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . 1–5 %  
Vegetable alcohol (ethanol) . . . 1–5 %  
Common salt . . . . . <1 %  
Citrate . . . . . <1 %  
Natural essential lemongrass oil, certified organically grown . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C8–C14 fatty alcohol sulphate (sodium octyl sulfate, sodium lauryl sulfate), alcohol denat., sodium chloride, sodium citrate, parfum\*, citral\*

\*certified organically grown

### Origin and properties of the ingredients:

Sugar, starch, and coconut oil serve as raw materials for the sugar surfactants used. Combined with coconut oil alcohol sulphate produced from coconut oil and sulphur oxides, they form a combination of substances which complement each other, increase their cleansing performance and possess excellent fat-dissolving properties as well as outstanding skin tolerance.

### Special product feature:

The dishwashing liquid being highly concentrated, it is very economical in its use. The surfactants used, i.e. coconut oil alcohol sulphate and sugar surfactants, are 100 % biodegradable and very gentle to the skin as well, thanks to this combination.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)

CSE, [www.cse-label.org](http://www.cse-label.org)

Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.027 g/cm<sup>3</sup>

68 °F approx. 0.036 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O

68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 7.5–8.5

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and whitish; a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

### Biodegradability:

Despite ingredients being extracted from the plant-based raw materials starch, sugar, and fat during the manufacturing process of sugar surfactants and coconut oil alcohol sulphate, they remain completely intact in their natural structure. That makes it quite easy for microorganisms to 100 % decompose these surfactants very quickly. Sugar surfactants and coconut alcohol sulphate are classified as being readily biodegradable according to OECD guidelines.

Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE

Cap: PE/PP

Label: PE

Outer carton: 100 % rec. mat.

## Dishwashing Liquid Calendula



### Sales units / Containers:

15 x 120 ml sample bottle

NET 4 fl oz US

EAN Code: 4007547 30634 9

6 x 300 ml dispenser bottle

NET 10 fl oz US

EAN Code: 4007547 30644 8

6 x 1 litre refill bottle

NET 34 fl oz US

EAN Code: 4007547 30654 7

### Ranges of application:

This is a very economical concentrated liquid for manual dishwashing, unaffected by water hardness and obtained using extracts from Calendula blossoms.

### Dosage:

Add 2 dashes, approx. 3 ml/5 l (0.1 fl oz US/1.3 gal) of water to the dishwashing water or apply straight onto the sponge.

### Product declaration:

Sugar surfactant . . . . . 5–15 %  
Coconut oil alcohol sulphate . . . 1–5 %  
Vegetable alcohol (ethanol) . . . 1–5 %  
Essence of Calendula officinalis, certified organically grown . . . . . <1 %  
Common salt . . . . . <1 %  
Citrate . . . . . <1 %  
Natural essential oil of sweet orange, certified organically grown . . . . . <1 %  
Natural essential oil of bergamot, certified organically grown . . <1 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648 / 2004:

Aqua, alkylpolyglucoside C10–C16 (lauryl glucoside), sodium C8–C14 fatty alcohol sulphate (sodium octyl sulfate, sodium lauryl sulfate), alcohol denat., Calendula officinalis\*, sodium chloride, sodium citrate, parfum\*, limonene\*, linalool\*

\*certified organically grown

### Origin and properties of the ingredients:

Sugar, starch, and coconut oil serve as raw materials for the sugar surfactants used. Combined with coconut oil alcohol sulphate produced from coconut oil and sulphur oxides, they form a combination of substances which complement each other, increase their cleansing performance and possess excellent fat-dissolving properties as well as outstanding skin tolerance. Its active skin-care ingredients are extracted by macerating blossoms of the Calendula in organic alcohol.

### Special product feature:

The mild spagyric organic Calendula essence, together with a combination of hypoallergenic surfactants and the warm fragrance of sweet orange from organic cultivation, give Sonett Dishwashing Liquid Calendula its very special character. The hand dishwashing liquid being concentrated, it is very economical in its use. The surfactants used, i.e. coconut oil alcohol sulphate and sugar surfactants, are 100 % biodegradable.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)

CSE, [www.cse-label.org](http://www.cse-label.org)

Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 1.027 g/cm<sup>3</sup>

68 °F approx. 0.036 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O

68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 7.5–8.5

Contains essential oil of sweet orange. May produce an allergic reaction.

At temperatures below 10 °C (50 °F), the product changes becoming slightly more solid and whitish, a phase which will pass, however, once the product is exposed to warmth and by shaking it lightly, if necessary.

### Biodegradability:

Despite ingredients being extracted from the plant-based raw materials starch, sugar, and fat during the manufacturing process of sugar surfactants and coconut oil alcohol sulphate, they remain completely intact in their natural structure. That makes it quite easy for microorganisms to 100 % decompose these surfactants very quickly. Sugar surfactants and coconut alcohol sulphate are classified as being readily biodegradable according to OECD guidelines.

Suitable for septic tanks and filtration systems.

### Packaging:

Bottle: PE

Cap: PE/PP

Label: PE

Outer carton: 100 % rec. mat.

## Tablets for Dishwashers

For household dishwashers



### Sales units / Containers:

12 x 2 x 20 g sample tablets  
NET 0.7 oz

EAN Code: 4007547 40290 4

5 x 500 g box of 25 tablets each  
NET 18 oz

EAN Code: 4007547 40280 5

1 x 800 tablets, unpackaged

EAN Code: 4007547 40330 7

The tablets are individually wrapped in a recyclable PE film.

UFI: 425T-DW9T-810J-8YFK

### Ranges of application:

Indicated for all types of household dishwashers. Only to be used for dishwasher-proof crockery. Not to be used for silverware, lead crystal glass and hand-painted chinaware.

### Dosage:

Crockery with normal level of dirtying: 1 tablet per washing cycle  
Crockery heavily dirtied: 2 tablets per cycle.

**Important note to ensure good dishwashing results:** Adjust the built-in water softener in your dishwasher to be 8 °dH (German degrees) above your local water hardness. For doing so, please consult the Instructions for Use of your Dishwasher (see Info Sheet "Dishwasher Detergent"). Always keep the compartments for the Regenerating Salt and Clear Rinse replenished.

### Product declaration:

Citrate. . . . . 15–30 %  
Sodium carbonate . . . . . 15–30 %  
Sodium percarbonate . . . . . 5–15 %  
Tetrasodium glutamate diacetate. . . . . 5–15 %  
Carboxymethyl inulin . . . . . 5–15 %  
Silicates. . . . . 5–15 %  
Sodium bicarbonate . . . . . 5–15 %  
Sulphated castor oil. . . . . 1–5 %  
Sugar surfactant . . . . . 1–5 %  
Sodium gluconate . . . . . 1–5 %  
Rapeseed oil, certified organically grown. . . . . <1 %  
Balsamic additives, certified organically grown/collection from wild-growing plants . . . . . <1 %

### List of ingredients as per EC 648 / 2004:

Sodium citrate, sodium carbonate, sodium percarbonate, tetra sodium glutamate diacetate, carboxymethyl inulin, sodium metasilicate, sodium bicarbonate, sodium silicate, sulphated castor oil, alkylpolyglucoside C8–C16 (coco glucoside), sodium gluconate, potassium soap\*

\*certified organically grown

### Origin and properties of the ingredients:

The main active ingredients in Sonett's Tablets for Dishwashers are sodium carbonate, silicates, and sulphated castor oil. Silicates are obtained by fusing sand with sodium carbonate and, thanks to their alkalinity, are capable of modifying grease on dishes by saponification, thus making it water-soluble. These silicates make stuck-on food leftovers swell, thus loosening them. Sodium carbonate, manufactured from common salt and lime, disperses the grease into fine droplets, thus supporting the fat-dissolving property of the silicates. By adding small amounts of sulphated castor oil, the surface tension of the water is reduced, resulting in the dirt being wetted more easily by the water. Sulphated castor oil, also called turkered oil, is obtained by the direct reaction of castor oil with sulphuric acid. In addition, the tablets contain bleaching oxygen (sodium percarbonate). During the washing cycle, sodium percarbonate releases oxygen, in addition to water and sodium carbonate. The oxygen thus released serves to remove tea and coffee residues from glasses and cups. Sodium percarbonate is a molecular complex obtained by hydrogen peroxide adsorbing on to sodium carbonate. Citrate, obtained by fermenting sugar-containing by-products such as molasses, is added to the dishwasher liquid to bind lime in the dishwashing water and to protect the machine from deposits. Due to the fact that, despite built-in ion exchangers (water-softener devices) many dishwashers still feed too much calcareous water, the citrate is intensified by the lime-binding properties of sodium gluconate, carboxymethyl inulin, and tetrasodium glutamate diacetate. Sodium gluconate is the sodium salt of gluconic acids naturally occurring in honey and fruits. Carboxymethyl inulin is manufactured by the carboxy methylation of starch inulin extracted from chicory roots. Tetrasodium glutamate diacetate consists 86 % of renewable natural products containing starch and sugar.

### Special product feature:

The Sonett tablets contain minerals and organic constituents which are completely biodegradable. They contain no enzymes, no aggressive chlorinated bleaching agents, no phosphates, and no fragrances.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)

CSE, [www.cse-label.org](http://www.cse-label.org)

Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

1 tablet is about 20 g (0.7 oz)

pH value: 20 °C, 5 g/litre H<sub>2</sub>O

68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O

approx. 10.5–11

Keep tightly closed and in a dry place.

### Danger symbol: ⚠

**Warning:** Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear eye protection. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Biodegradability:

Silicates and sodium carbonate are mineral substances which in nature need no further decomposition. Citrate, a substance present in plants, animals and humans, is completely degraded by nature within 2 to 3 days, thanks to microorganisms naturally present. Sodium percarbonate, during the washing and bleaching process, disintegrates into mineral soda, water, and oxygen, thus leaving the dishwasher in a state which requires no further degradation; i.e. bleaching and degradation are one and the same process. In the manufacturing process of sugar surfactants and sulphated castor oil, constituents are extracted from the plant-based raw materials starch, sugar and fat, but remaining intact in their natural structure. This makes it quite easy for the microorganisms to 100 % degrade these surfactants very rapidly. Citrate, carboxymethyl inulin, tetrasodium glutamate diacetate, sodium gluconate, sugar surfactants, and sulphated castor oil are classified as being readily biodegradable according to OECD. Suitable for septic tanks and filtration systems.

### Packaging:

Tablet sheet: PE

Cardboard box: 100 % rec. mat.

Outer carton: 100 % rec. mat.

## Eco-Sponge



### Sales units / Containers:

6 x 2 pieces each

EAN Code: 4007547 60500 8

### Ranges of application:

The sponge leaves no scratches and is suitable also for delicate glasses, stainless steel and lotus-effect surfaces.

### Product declaration:

Sponge: 100 % cellulose fibres

Abrasive surface: 60 % sisal,

40 % recycling PET

Adhesive bonding: polyurethane

### Special product feature:

A dishwashing sponge containing an uppermost percentage of regenerative, biodegradable cotton and sisal fibres, as well as being of long durability and pleasant to the touch.

### Technical data:

Washable up to 60 °C (140 °F)

### Packaging:

Package band: FSC paper

Outer carton: 100 % rec. mat.

## Dishwasher Detergent

For household dishwashers



### Sales units / Containers:

4 x 1.5 kg cardboard box  
NET 3.3 lb

EAN Code: 4007547 40230 0

4 x 3 kg cardboard box  
NET 6.6 lb

EAN Code: 4007547 40210 2

1 x 10 kg cardboard box  
NET 22 lb

EAN Code: 4007547 40220 1

UFI: WD5T-EW2D-G10J-WASU

### Ranges of application:

Finely grained concentrated powder. Suitable for all household dishwashing machines up to 75 °C (167 °F). Only to be used for dishwasher-proof crockery. Not to be used for silverware, lead crystal glass and hand-painted chinaware.

### Dosage:

30 ml (1 fl oz US) per washing cycle

**Important note to ensure good dishwashing results:** Adjust the built-in water softener in your dishwasher to be 8 °dH (German degrees) above your local water hardness. For doing so, please consult the Instructions for Use of your Dishwasher (see Info Sheet "Dishwasher Detergent").

Always keep the chambers for the Regenerating Salt and Clear Rinse replenished.

### Product declaration:

Silicate . . . . . > 30 %  
Citrate . . . . . > 30 %  
Sodium percarbonate . . . . . 5–15 %  
Sodium carbonate . . . . . 5–15 %

### List of ingredients as per EC 648/2004:

Sodium silicate, sodium citrate, sodium percarbonate, sodium carbonate, sodium metasilicate

### Origin and properties of the ingredients:

Silicates are obtained by fusing sand with sodium carbonate and, thanks to their alkalinity, are capable of modifying grease on dishes by saponification, thus making it water-soluble. These silicates make stuck-on food left-overs swell, thus loosening them.

Sodium carbonate, manufactured from common salt and lime, disperses the grease into fine droplets, thus supporting the fat-dissolving property of the silicates. Citrate, obtained by fermenting sugar-containing by-products such as molasses, is added to the dishwasher detergent in order to bind lime in the dishwashing water and to protect the machine from deposits, since it is a well-known fact that many dishwashers do not soften the water sufficiently, despite built-in ion exchanger (water softener devices).

### Special product feature:

Notwithstanding the fact that, for this product, we abstain from using any aggressive chlorinated bleaching agents, phosphates, synthetic protective substances for silverware, enzymes, etc, it cleans even stubborn dirt with exceptional ease.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 0.98 g/cm<sup>3</sup>  
68 °F approx. 0.034 oz/in<sup>3</sup>

pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 10–11

Keep tightly closed.

### Danger symbol:

**Danger:** Contains disodium metasilicate pentahydrate. Causes serious eye damage. May cause respiratory irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing dust. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. Dispose of contents/container according to the local/national regulations.

### Biodegradability:

Approx. 70–80 % of the dishwashing detergent's ingredients (silicates and sodium carbonate) are mineral substances which in nature need no further decomposition. Citrate, a substance present in plants, animals and humans, is completely degraded by nature, thanks to naturally present micro-organisms.

Suitable for septic tanks and filtration systems.

### Packaging:

Cardboard box 1.5 kg and 3 kg: recycling material 92 %  
Cardboard box 10 kg: recycling material 82 %  
Inner bag: PE  
Measuring cup: > 80 %  
Printing ink: food grade  
Outer packaging: PE

## Clear Rinse



### Sales units / Containers:

6 x 0.5 litre bottle  
NET 17 fl oz US

EAN Code: 4007547 30814 5

1 x 10 litre canister  
NET 2.6 gal

EAN Code: 4007547 30824 4

### Ranges of application:

Indicated for all household dishwashing machines, in combination with Sonett Dishwasher Detergent or Sonett Regenerating Salt. The Clear Rinse is being added automatically to the final rinse cycle and prevents limescale stains on crockery, cutlery, and glasses. **Important:** Before the first use of Sonett Clear Rinse make sure that the clear rinse compartment is totally empty in order to avoid reactions with other detergents.

### Application / Dosage:

Fill Sonett Clear Rinse into the rinse aid compartment of the dishwashing machine. Always keep the rinse aid compartment replenished. The setting, with a total of 6 steps, should be between 2 and 3 in regular cases.

Note: If a streaky coating appears on the crockery, it means that too much Clear Rinse has been added. In case of isolated whitish limescale stains appearing, increase the dosage of Clear Rinse.

### Product declaration:

Sulphated castor oil . . . . . 5–15 %  
Vegetable alcohol (ethanol) . . . . . 5–15 %  
Sugar surfactant . . . . . 1–5 %  
Balsamic additives, certified organically grown / collection from wild-growing plants . . . . . <1 %  
Water, swirled . . . . . up to 100 %

### List of ingredients as per EC 648/2004:

Aqua, alcohol denat., sulphated castor oil, alkylpolyglucoside C8–C16 (coco glucoside)

### Origin and properties of the ingredients:

Ethanol, obtained by fermenting starchy plants such as potatoes, and sulphated castor oil, derived from direct reaction of castor oil with sulphuric acid, reduce the surface tension of the water during the final rinse cycle, thus making the water drip off the dishes more easily. Sugar surfactant made from coconut oil and maize starch intensifies even more the surface-tension-reducing effect.

### Special product feature:

With Sonett Clear Rinse we have a product which achieves good results in the dishwashing machine—with ingredients that are purely plant-based, without any petrochemicals whatsoever.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)  
CSE, [www.cse-label.org](http://www.cse-label.org)  
Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Density: 20 °C approx. 0.992 g/cm<sup>3</sup>  
68 °F approx. 0.035 oz/in<sup>3</sup>  
pH value: 20 °C, 5 g/litre H<sub>2</sub>O  
68 °F, 0.18 oz / 34 fl oz US H<sub>2</sub>O  
approx. 6–7

### Biodegradability:

Ethanol is also present in nature in small quantities. Once in waste water, it is quickly and 100 % degraded into carbon dioxide and water. In the manufacturing process of sugar surfactants, constituents of sugar and fat are connected in such a way that the internal molecular structure remains intact. It is, therefore, easy for microorganisms to decompose these surfactants quickly and completely. Sugar surfactants, vegetable alcohol, and sulphated castor oil are classified as being readily biodegradable according to OECD guidelines. Suitable for septic tanks and filtration systems.

### Packaging:

Bottle, canister: PE  
Cap: PE/PP  
Labels: PE  
Outer carton: 100 % rec. mat.

## Regenerating Salt

For dishwashers



### Sales units / Containers:

6 x 2 kg bag

NET 4.4 lb

EAN Code: 4007547 40300 0

### Ranges of application:

An integral part of every dishwashing machine is an ion exchanger which traps the calcium and magnesium ions, the cause of hard water, and feeds soft water into the machine. This is intended to prevent limescale deposits on glasses and cutlery. If the ion exchanger becomes saturated with calcium and magnesium ions, its absorbing capacity must be restored again by means of regeneration.

For this purpose, we use regenerating salt which has the effect of exchanging the hardness ions, thus ensuring optimal rinsing results.

### Application / Dosage:

As soon as the dishwasher's 'salt needed' light turns on, fill the designated salt compartment with regenerating salt according to the machine manufacturer's instructions for use.

Experience shows that some machines indicate their need for salt replenishment at a very late state. To prevent this, the regenerating salt compartment should be regularly refilled even though the display does not yet indicate the respective need. Had the salt compartment been completely emptied, wait for about 2 hours after replenishing it before switching the machine on again; this gives the ion exchanger sufficient time to regenerate.

**Correct setting of the ion exchanger (water softener):** Adjust the built-in water softener in your dishwasher to be 8 °dH (German degrees) above your local water hardness. For doing so, please consult the Instructions for Use of your Dishwasher, section "Water Softener" (see also Sonett Info Sheet "Dishwasher Detergent, Clear Rinse, Regenerating Salt")

### Product declaration:

Pure coarse-grained evaporated common salt . . . . . 100 %

### List of ingredients as per EC 648 / 2004:

Sodium chloride

### Origin and properties of the ingredients:

In rock salt deposits, the salt is broken up, dissolved in water and crystallized into coarse grains. Thus all impurities are removed. As a concentrated solution in the salt compartment of the dishwasher, it exchanges the bonded calcium and magnesium ions for the sodium ions of the regenerating salt so that the ion exchanger can once again supply soft water.

### Special product feature:

The Regenerating Salt is pure crystallized evaporated salt, without the addition of any anticaking agents, synthetic dyestuffs or other substances.

### Certification:

NCP, [www.nature-care.cc](http://www.nature-care.cc)

CSE, [www.cse-label.org](http://www.cse-label.org)

Vegan Society, [www.vegansociety.com](http://www.vegansociety.com)

### Technical data:

Common salt reacts pH neutral in an aqueous solution.

### Biodegradability:

Common salt (sodium chloride) is a natural constituent of our aquatic environment. Common salt is a mineral by nature and does not need to be further degraded, but it can contribute—albeit to a relatively minor extent—to an increase in the salt load of our water. For medium-hard water, approx. 40–50 g (1.4–1.8 oz) of salt are fed into the waste water per washing cycle.

### Packaging:

Bag: PE

Outer carton: 100 % rec. mat.

## Sonett – Organic soaps and detergents

protecting natural water resources, the essence of life

**Outlet spigot**

for 5 and 10 litre canister  
1.3 and 2.6 gal canister  
EAN Code 4007547 70000 0



**Outlet spigot**

for 20 litre canister  
5.2 gal canister  
EAN Code 4007547 70180 9



**Bottling pump**

for 5 and 10 litre canister  
1.3 and 2.6 gal canister  
Stroke 30 ml (1 fl oz US)  
EAN Code 4007547 70020 8



**Bottling pump**

for 20 litre (5.2 gal) canister  
• Stroke 30 ml (1 fl oz US)  
EAN Code 4007547 70160 1  
• Stroke 100 ml (3.4 fl oz US)  
EAN Code 4007547 70170 0



**Wall bracket**

for 300 ml (10 fl oz US)  
dispenser bottle  
stainless steel,  
EAN Code 4007547 70100 7



**Wall bracket**

for 200 ml (6.8 fl oz US)  
foam dispenser bottle  
stainless steel  
EAN Code 4007547 70110 6



**Wall-mounted dispenser** with elbow bracket

1 litre (34 fl oz US), anodised  
aluminium, plastic wall mounting  
EAN Code 4007547 70120 5



**Wall-mounted dispenser**

touchless, 1 litre for Hand Disinfection  
Material: ABS, Inner container: PE  
EAN Code 4007547701403



**Measuring ball**

20 to 150 ml (0.68 to 5 fl oz US)  
graduation, Thermoplastic polyurethane  
EAN Code 4007547 70200 4



**Measuring spoon**

5 to 30 ml (0.17 to 1 fl oz US)  
graduation  
EAN Code 4007547 70220 2



**Cardboard measuring cup**

for laundry detergent  
EAN Code 4007547 70230 1



**Cardboard measuring cup**

for dishwasher detergent  
EAN Code 4007547 70240 0



**Canister opener**

for 5, 10 and 20 l canisters  
EAN Code 4007547 70090 1



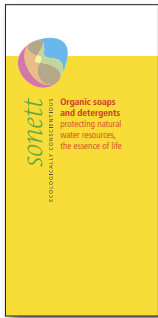
**Drip-off gutter**

stainless steel, length:  
80 cm EAN Code 4007547 70060 4



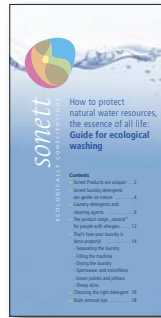
### Brochure

DIN lang, 10.5 x 21 cm (4 x 8.3 in)  
EAN Code 4007547 70704 7



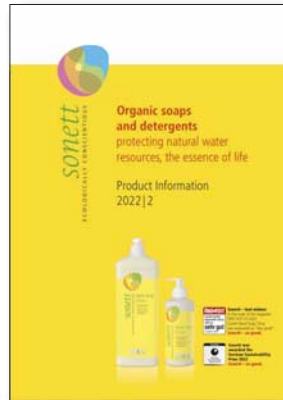
### Laundry Guide

Guide for ecological washing  
DIN lang, 10.5 x 21 cm (4 x 8.3 in)  
EAN Code 4007547 70784 9



### Product information

DIN A 4, 21 x 29.7 cm (8.3 x 11.7 in)  
EAN Code 4007547 70714 6



### Brochure stand

EAN Code 4007547 70750 4



### Carrier bag

34 x 22 x 10 cm (13.4 x 8.6 x 3.9 in)  
EAN Code 4007547 70280 6



### Sonett poster

42 x 75 cm (16.5 x 29.5 in)  
with hanging bar  
EAN Code 4007547 70734 4





**sonett**  
ECOLOGICALLY CONSCIENTIOUS

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**Company**

Sonett has been a pioneer in ecological laundry detergents and cleaning agents since 1977 . . . . . 2

**Products**

Sonett Products: Certified and controlled ecological laundry detergents and cleaning agents . . . . . 3

**Sonett Quality**

Sonett Quality . . . . . 3  
Sonett Quality Criterion . . . . . 4  
The 3 Sonett Quality Levels . . . . . 5  
Sales Arguments . . . . . 8

**Laundry Detergents/Laundry Care**

Laundry Powder . . . . . 10  
Laundry Liquid Lavender . . . . . 11  
Softener . . . . . 12  
Bleach Complex and Stain Remover . . . . . 12  
Laundry Liquid Color Mint & Lemon . . . . . 13  
Olive Laundry Liquid for Wool and Silk . . . . . 14  
Laundry Rinse . . . . . 15  
Wool Care . . . . . 16  
Gall Soap . . . . . 16  
Liquid Gall Soap . . . . . 17  
Stain Removal Spray . . . . . 18  
Starch Spray and Ironing Aid . . . . . 18

**Product Range Sensitive**

Laundry Liquid sensitive . . . . . 19  
Laundry Powder Color sensitive . . . . . 20  
Olive Laundry Liquid for Wool and Silk sensitive . . . . . 20  
Dishwashing Liquid sensitive / All-Purpose Cleanser . . . . . 21  
Hand Soap sensitive . . . . . 22

**Body Care**

Hand Soaps . . . . . 22  
Hand Soap Citrus . . . . . 22  
Hand Soap Lavender . . . . . 22  
Hand Soap Rosemary . . . . . 23  
Hand Soap Calendula . . . . . 23  
Hand Soap Rose . . . . . 23  
Hand Soap Epure . . . . . 23  
Curd Soap . . . . . 24

**Products for children**

Foam Soap Calendula for children . . . . . 24  
Bio Bubbles / Organic soap bubbles . . . . . 25

**Cleaning Agents**

All-Purpose Cleanser . . . . . 25  
Orange Power Cleaner . . . . . 26  
Bathroom Cleaner . . . . . 26  
Toilet Cleaner Cedar-Citronella . . . . . 27  
Toilet Cleaner Mint-Myrtle . . . . . 27  
Decalcifier . . . . . 28  
Multi-Surface and Glass Cleaner . . . . . 28  
Scouring Fluid . . . . . 29  
Scouring Powder . . . . . 29  
Floor Mopping Fluid . . . . . 30

**Disinfection**

Hand Disinfectant . . . . . 30  
Surface Disinfectant . . . . . 31

**Dishwashing**

Dishwashing Liquid Lemon . . . . . 32  
Dishwashing Liquid Calendula . . . . . 32  
Tablets for Dishwashers . . . . . 33  
Eco-Sponge . . . . . 33  
Dishwasher Detergent . . . . . 34  
Clear Rinse . . . . . 34  
Regenerating Salt . . . . . 35

**Accessories & others . . . . . 36**



Sonett was granted two prestigious design awards: the redden design award and the iF communication design award. Sonett has been awarded with prizes for a pioneering, smart and trend-setting design. Design: www.lierl.de