Laundry Powder
40–95 °C (100 - 200 °F)

Component 1 in the Sonett Modular System

Available in:
1.2 kg NET 42 oz (US)
2.4 kg NET 85 oz (US)
10 kg NET 22 lb (US)

Suitable for all textiles made from cotton, linen, hemp and fabric blends. The main active ingredient of the Sonett Laundry Powder is pure vegetable soap. Soap is the cleansing substance most proximate for man and nature alike. Unlike all other surfactants, soap is disposed of right after its use as it loses its surface active properties immediately on reacting with the calcium that is always present in waste water, and then degrades completely and with ease.

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 microfibres. Suitable for HE washing machines.

<table>
<thead>
<tr>
<th>Dosage for 4,5 kg washing machine</th>
<th>Slight soiling</th>
<th>Normal soiling</th>
<th>Heavy soiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ml (3.4 fl oz US) = 65 g (2.3 oz)</td>
<td>50 ml 32 g</td>
<td>70 ml 45 g</td>
<td>90 ml 58 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water hardness</th>
<th>Laundry Powder</th>
<th>Water Softener</th>
</tr>
</thead>
<tbody>
<tr>
<td>soft 0–8,4 °dH</td>
<td>50 ml 32 g</td>
<td>—</td>
</tr>
<tr>
<td>medium 8,4–14 °dH</td>
<td>50 ml 32 g</td>
<td>30 ml 18 g</td>
</tr>
<tr>
<td>hard &gt;14 °dH</td>
<td>50 ml 32 g</td>
<td>60 ml 36 g</td>
</tr>
</tbody>
</table>

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

Bleach complex: For white fabrics and stain removal, active from 50 °C. Dosage: 60 ml
Sales units / Containers:
4 x 1.2 kg cardboard boxes   EAN Code: 4007547 10102 9
4 x 2.4 kg cardboard boxes   EAN Code: 4007547 10091 6
1 x 10 kg cardboard box      EAN Code: 4007547 10110 4

UBA: 036 000 44

Product declaration:
Soap derived from vegetable oils   > 30 %   certified organically grown
Clay minerals and silicates       15–30 %
Sodium carbonate                 5–15 %
Zeolite                          5–15 %
Coconut oil alcohol sulphate     1–5 %
Balsamic additives               < 1 %   collection from wild-growing plants
Powder humidity                  10–15 %

List of ingredients as per EC 648/2004:
Sodium soap*, sodium carbonate, bentonite, zeolite, sodium C12–14, fatty alcohol sulphate,
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:**
Ecogarantie, www.ecogarantie.eu
CSE, www.cse-label.org
Vegan Society, www.vegansociety.com

**Technical Data:**
Density: (20 °C) approx. 0.65–0.75 g / cm³ (68 °F approx. 0.023 – 0.026 oz/in³)
PH value: (20 °C, 5 g / l H₂O) approx. 10–11 (68 °F, 0.18 oz/34 fl oz H₂O 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 % recycling material
Inner bag: PE
Measuring cup: > 80 % recycling material
Printing ink: food grade
Handle: PE
Outer packaging: PE