

AseptoForce

Description

Powerful chlorinated alkaline cleaner and disinfectant for milking equipment and milk tanks.

Strengths

AseptoForce is a unique formula based on sodium hypochlorite and potassium hypochlorite with a stabilizer which ensures powerful cleaning and disinfection performance of milking equipment.

The application of **AseptoForce** provides the following key benefits:

- Excellent disinfection properties
- Good material compatibility
- Low foaming, also for high water hardness
- Action against mineral deposits

Properties

Appearance:	Light yellow liquid
Key ingredient(s):	Sodium Hypochlorite
pH at 20°C:	13.0 – 14.0
Density at 20°C(g/cm ³):	1.14 - 1.18
Storage temperature:	-15°C to +30°C

Application

What: Milking equipment cleaner and disinfectant

When: **Milking installation:** after milking
Milk tanks: after emptying

How: Pre-clean with water, clean and disinfect with **AseptoForce**, and rinse with water of drinking quality.

Use concentration: 1 % (minimum 10 min. at 40 – 50°C)

Recommendation: To be used in daily rotation with **HorolithForce**

Disinfection

Application details

Germs	Use Concentration	Contact Time	Temp.	Interfering Substance
Bacteria (EN1276) Staphylococcus aureus (DSM 799) Pseudomonas aeruginosa (DSM 939) Escherichia coli (DSM 682) Enterococcus hirae (DSM 3320)	0.9% - 1.0%	10 min	40°C	1% skimmed milk (dirty)
Yeasts (EN1650) Candida albicans (DSM 1386)	0.2% - 1.0%	10 min	40°C	1% skimmed milk (dirty)

The product **AseptoForce** was able to reduce the viable counts of the test strain by a factor of >5 log (bacteria) and >4 log (yeast) at an application concentration of **0.9%** within **10 minutes** at **40°C** under simulated dirty conditions (1% skimmed milk).

Successfully tested under the aforementioned conditions according to EN1276 and EN1650.

Material compatibility

AseptoForce is compatible with the commonly used materials of milking equipment.

Monitoring

Concentration determination

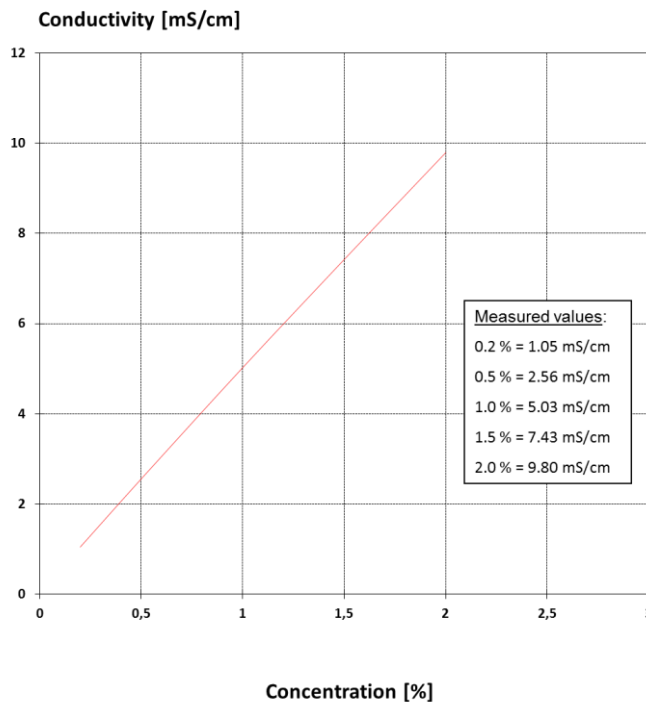
Titration

Receiving flask:	100 ml application solution
Titration solution:	0.5N HCl
Indicator:	Thymol blue (0.04% in ethanol)
Titration factor:	0.295 + 0.5g Na ₂ S ₂ O ₃
color change:	blue → yellow

Volume added in ml (0.5N HCl) x 0.295 = % **AseptoForce**

Conductivity Specific conductivity of **AseptoForce**

AseptoForce (FC 904972)
Spec. Conductivity (20 °C, 0 °d)
Temperature coefficient: α 1.94 %/°C



Safety & Precautions

The relevant hazards identifications of **AseptoForce** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

Keep container tightly closed after use. Store in original container between -15°C and +30°C. Do not empty product into drain. Dispose of packaging only if emptied and closed.

Use biocides safely. Always read the label and product information before use.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **AseptoForce** in ordinary use but can not be taken as a guarantee, express warranty or implied warranty for the suitability for a particular purpose and shall not extend mandatory warranty rights (if any). The specifications and performance may vary subject to the operational conditions. Since numerous parameters will influence product performance and applicability, this information does not exonerate the user from liability with respect to the suitability of the product and the appropriate safety measures to be taken. Moreover, a possible infringement of patent rights must be avoided at all times.

(Version October 2018)