

COSA[®] FOAM 40

Description

Liquid, neutral product for manual cleaning or as foam additive in cleaning solutions with COSA CIP cleaners for the pharmaceutical and cosmetic industry

Characteristics

- suitable for manual- and foam cleaning
- active foaming properties
- excellently biodegradable
- easily validated

Subject to incoming goods control

Appearance:	clear, colourless liquid
Density (20 °C):	1.02 - 1.06 g/cm ³
Refraction index n_D^{20} :	1.3650 - 1.3710

Properties

Concentrate	Storage stability:	0 - 35 °C
	Solubility:	at 20 °C miscible with water in any proportion
	P content:	0.00 %
	N content:	0.00 %
	COD:	550 - 590 mg O ₂ /g
	Flash point:	not applicable
Application solution	pH:	5.0 - 7.5 (10 %, 20 °C, deionized water)

Material compatibility:

The compatibility of a foam-enhanced **COSA FOAM 40** cleaning solution depends on the properties of the involved alkaline/acid components (see data sheets COSA CIP 72 and COSA CIP 96).

COSA FOAM 40 itself is, under the application conditions described below, compatible with

- **Metals** austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304), copper, aluminium (slight discolourations may occur), zinc
- **Plastics** PE, PP, rigid PVC
- **Others** glass and ceramic

Application

The addition of **COSA FOAM 40** to cleaning solutions with COSA CIP 72 or COSA CIP 96 enables an easily validated foam cleaning.

Mode of application

Alkaline foam cleaning

Concentration: 1.0 - 1.5 % COSA CIP 96
0.5 - 1.0 % **COSA FOAM 40**
Contact time: 10 - 20 minutes

Acid foam cleaning

Concentration: 1.0 - 1.5 % COSA CIP 72
0.5 - 1.0 % **COSA FOAM 40**
Contact time: 10 - 20 minutes

Neutral foam cleaning

Concentration: 0.5 - 1.0 % **COSA FOAM 40**
Contact time: 10 - 20 minutes

Manual cleaning

Concentration: 0,5 - 2 % **COSA FOAM 40**
Temperature: 15 - 50 °C
Contact time: depending on degree
and type of soiling

- Use cleaning tools like swab, brush or pad if required

Final rinse with water of drinking water quality, ensuring all soil and product residues are removed.

Monitoring

Concentration control

Application System

For the application of **COSA FOAM 40** we recommend using Ecolab's **CHAMELEON HYGIENE SYSTEM**. Chameleon is a range of hygiene chemical application equipment for cleaning open plant.

- All Chameleon systems provide foam, disinfection and rinse functionality
- Stationary and mobile systems providing water pressure between 20 and 40 bar
- Space saving and robust hygienic design
- High operator safety
- Special equipment for e.g. smoke chamber or automated cleaning systems

Our Chameleon brochure is available on request.

Safety

The relevant hazards identifications of **COSA FOAM 40** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

INDICATION!

During cleaning and sanitizing operations, especially when using **high-pressure systems**, misting can occur. These aerosols produced consist of a fine water mist and the applied chemical. Inhalation of such aerosol mist must be avoided. Wearing a respirator is imperative.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **COSA FOAM 40** 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.

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