

COSA™ FOAM 40

Liquid pH neutral cleaner

Used for manual cleaning or as a foam additive in cleaning solutions

Why COSA FOAM 40?

Convenient

COSA FOAM 40 is a liquid, neutral pH product for manual cleaning or for use as a foam additive in cleaning solutions with COSA CIP products for the pharmaceutical and personal care industries. Its active foaming properties make it suitable for both manual and foam cleaning, providing convenience and ease of use.

Quality assurance

COSA FOAM 40 is supported by a complete validation package including techniques for determining acceptable residual levels and analytical methods for residue quantitation.



Documentation package

- ▾ Certificates of Analysis (CoA)
- ▾ Analytical Method Descriptions Residue Analysis
- ▾ Ecological Assessment (EA)
- ▾ Toxicological and Limit Setting Information (PDE)
- ▾ Safety Data Sheet (SDS)

Subject to incoming goods control

Appearance	Clear, colourless liquid	Refractive index n_D^{20}	1.3650 - 1.3710
Density	1.02 - 1.06 g/cm ³		

Properties

Concentrate	Storage stability	0 - 35°C
	Frost resistance	Short time of frost is possible, product has to be homogenised after thawing
	TOC	13.93%
Application solution	pH	5.0 - 7.5 (10%, 20°C, deionised water)
	Foam behaviour	Foaming at all temperatures
	Rinse behaviour	Rinse with water of minimum drinking water quality. No specific requirements for the water temperature
Material compatibility	Water quality	Minimum drinking water quality
	Metals	COSA FOAM 40 is, under the application described below, compatible with: Austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304), copper, aluminium (slight discolourations may occur), Zinc. 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).
	Plastics	COSA FOAM 40 is, under the application described below, compatible with: PE, PP, rigid PVC 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).
	Others	COSA FOAM 40 is, under the application conditions described below, compatible with: Glass and ceramic 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

Application

Mode of application	The addition of COSA FOAM 40 to cleaning solutions with COSA CIP 72 or COSA CIP 96 enables an easily validated foam cleaning.
	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 a swab, brush or pad if required. Final rinse with water of minimum drinking water quality, ensuring all soil and product residues are removed.

Monitoring

Concentration control	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 plants.
	- 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.

Ecological evaluation

Evaluation	Excellently biodegradable: all organic components fulfil the stringent requirements of the OECD for a classification as "readily biodegradable", i.e. they are readily and eventually completely biodegradable in the environment
P-content	0.00%
N-content	0.00%
COD	550 - 590 mg O ₂ /g
The complete ecological evaluation is available on the cleaning validation website www.ecolab-cleaning-validation.com	

Safety

The relevant hazard identifications of COSA FOAM 40 are given in the Safety Data Sheet available at safetydata.ecolab.eu. If any questions arise in this context please contact your Ecolab representative.

A Toxicological Hazard Assessment is also available on the cleaning validation website www.ecolab-cleaning-validation.com

For product ordering information, please contact your Ecolab Account Manager or email infoLS@ecolab.com

WORLDWIDE HEADQUARTERS

1 Ecolab Place
St. Paul, MN 55102
USA

www.ecolab.com/lifesciences

EUROPE HEADQUARTERS

Richtistr. 7
8304 Wallisellen
Switzerland

www.ecolablifesciences.com

