

COSA™ PUR 80

Liquid neutral additive

Neutral, surfactant-based booster for the pharmaceutical and personal care industries

Why COSA PUR 80?

Effective

COSA PUR 80 is a neutral cleaning booster based on surfactants formulated for the removal of high fat-containing and water-free formulations in pharmaceutical processing equipment. It can be used as a CIP additive to enhance the cleaning effect of alkaline and acid cleaners for stubborn soils. It provides excellent removal of organic soiling such as fats present in residues of creams, ointments, emulsions, oils and tablet coatings in CIP and manual applications.

Quality assurance

COSA PUR 80 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, yellow liquid	Refractive index n_D^{20}	1.4200 - 1.4260
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Properties

Concentrate	Storage stability	0 - 40°C
	Frost resistance	Short time of frost is possible, product has to be homogenised after thawing
	Density	0.99 - 1.04 g/cm ³
	TOC	35.15%
Application solution	pH	9.0 - 10.0 (1%, 20°C, deionised water)
	Foam behaviour	Non foaming > 45°C in use solution
	Rinse behaviour	Following the cleaning step, all equipment should be rinsed thoroughly to remove all residues. Rinse water should be of minimum drinking water quality and preferably cold.
	Water quality	Minimum drinking water quality
Material compatibility	Metals	COSA PUR 80 is, under the application described below, compatible with: Steel, austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304)
	Plastics	COSA PUR 80 is, under the application described below, compatible with: PE, PP, PVC, PTFE

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Application

Mode of application	COSA PUR 80 is suitable for the removal of fatty production residues in the pharmaceutical and cosmetic industries. General CIP application (pipelines, homogenisers, coaters, fermenters, etc) Concentration: 0.5 - 1.5% COSA PUR 80 Temperature: 60 - 85°C Contact time: depending on degree and type of soiling Before switching on the spray devices, it is recommended to heat up the solution to > 50°C to prevent the formation of foam. Concentration, temperature and cleaning time can be optimised by evaluation of respective cleaning trials. COSA PUR 80 can be used in combination with our COSA CIP product range.
	Manual cleaning Concentration: 0.5 - 1% COSA PUR 80 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 product residues are removed. COSA PUR 80 is most effectively rinsed at temperatures below +40°C.

Monitoring

Concentration control	In practice, it is suitable to determine the concentration of COSA PUR 80 by measuring the volume of the dosing pump and calculating the concentration used or perform time-proportional dosing (e.g. by means of Ecolab Elados EMP dosage pumps)
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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	0.62%
COD	1440 - 1480 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 PUR 80 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

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