



COSA[®] CIP 72

Description

Properties

Concentrate

Liquid, acid detergent for the removal of inorganic soil in the pharmaceutical, Biotech and cosmetic industry

Characteristics

- phosphorous-free
- based on organic acids
- suitable for CIP-systems
- surfactant-free

Subject to incoming goods control

Appearance:	clear, colourless liquid		
Titration:			
Use solution:	50 ml (1 % solution)		
Titrant:	1.0 mol/l Sodiumhydroxide (NaOH)		
Endpoint:	pH-value = 8.3		
Consumption:	4.0 – 4.4 ml		
% Acidity (expressed	% Acidity (expressed as Formic Acid):		
% Acidity as HCOOH	=		
<u>(ml NaOH to pH 8.3)</u> * Sample weight [g] (10	* <u>(1 mol/l)*(46)*(100)</u> 200)		
Acidity (expressed as HCOOH): 36.80 - 40.48%			
Storage stability:	0 - 45 °C		

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Density:	1.19 - 1.23 g/cm ³
P- content:	0.00 %
N- content:	0.00 %
COD:	320 - 360 mg O ₂ /g
Flash point:	not applicable

Application solution	pH:	2.2 - 2.6 (1 %, 20 °C, deionized water)	
	Foam characteristics:	non foaming, suitable for CIP-systems	
Material compatibility:	COSA[®] CIP 72 is, under the application described below, compatible with		
Metals	austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304)		
 Plastics and Seals 	Due to the wide range of different plastics and seals, the suitability should be tested as required		
Application	COSA CIP 72 is suitable f in homogenizers, tanks, p similar equipment in th cosmetic industry.	for the removal of inorganic soilings bipelines as well as fermenters and the pharmaceutical, Biotech and	
Mode of application	Rinse with water after draining off the alkaline cleaning solution.		
	Acid cleaning with COSA CIP 72 solution		
	Concentration: Temperature: Contact time:	1 - 3 % COSA CIP 72 5 - 60 °C (ideally 50 – 60°C) 5 - 15 minutes	
	Concentration, temperature and cleaning time can be optimized by evaluation of respective cleaning trials. Acid foam cleaning (using a double injector)		
	Concentration:	1.0 - 1.5 % COSA CIP 72 0 5 - 1 0 % COSA FOAM 40	
	Contact time:	10 - 20 minutes	
	Final rinse with water of minimum drinking water quality ensuring all soil and product residues are removed.		
Indication!	When changing over from nitric-acid based products to COSA CIP 72 , an intermixture of the concentrates must be avoided!		

Monitoring

Concentration determination

• Titration	Receiving flask: Titration solution: Indicator: Titration factor:	50 ml application solution 1 n sodium hydroxide solution (NaOH) Phenolphthalein 0.24 0.24 – % COSA CIP 72	
Dosing control	The dosage of COSA CIP 72 can be performed volume- or time-proportional (e. g. by means of Elados EMP - dosage pumps).		
Safety	The relevant Hazards given in the EC Safety this context please cor	s identifications of COSA CIP 72 are / Data Sheet. If any questions arise in ntact your Ecolab representative.	

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **COSA CIP 72** in ordinary use but cannot 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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Ecolab Europe GmbH Richtistr. 7 CH-8304 Wallisellen www.ecolab.com

