

Ansep CIP

Description: Liquid, alkaline cleaning agent with available chlorine for the food and beverage industry

Product strengths:

- excellent cleaning properties
- prevention of water scale formation
- suitable also for high water hardness

Properties

Concentrate	Appearance:	yellowish liquid *	
	Storage stability:	-5 - 30 °C	
	Solubility:	at 20 °C miscible with water in any proportion	
	Density:	1.16 - 1.20 g/cm ³ (at 20 °C)	
	P content:	0.11 %	
	N content:	0.00 %	
	COD:	14 - 18 mg O ₂ /g	
	Flash point:	not applicable	
	Application solution	pH:	12.3 - 12.5 (1 %, 20 °C, deionized water)
		Conductivity:	5.2 mS/cm (1 %, 20 °C, deionized water)
Titration:		3.7 - 4.0 ml * (100 ml 1 % solution; 0.5 n HCl; phenolphthalein)	
Foam characteristics:		non foaming, suitable for CIP-systems	

* Parameters subject to incoming goods control

Material compatibility: **Ansep CIP** is, under the application conditions described below, compatible with

- **Metals** austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304), iron, glass enamel
- **Plastics** oxidation- and alkali-resistant plastics like PTFE, PVDF, rigid PVC
- **Seals** oxidation- and alkali-resistant seals like EPDM, NBR

Application

Ansep CIP is suitable for the cleaning of tanks and filters, pipelines or hoses, casks and filling machines as well as for tray washing in the food and beverage industry.

Pre-rinse with water at 40 - 60 °C

Brewing and beverage industry:

Specific instructions in case of use of chlorinated products like Ansep CIP:

Especially in case of use of **Ansep CIP** the proper removing of CO₂ has to be controlled. Recommended is the determination of the remaining CO₂-content inside of the tank before using chlorinated products. After treatment of the tank a proper rinsing is required to eliminate all the remaining active chlorine from the surfaces before pressurizing again with CO₂ or longer standstill-periods. Pitting and surface corrosion can occur due to the "activation" of remaining active chlorine by e.g. CO₂ or other acids.

Potential remaining active chlorine can get "inactivated" by rinsing of the tank with a 0.5% Stabicip SEEC solution, alternatively P3-oxonia active or P3-oxonia active 150 (followed by a final rinse with water).

- **Basic cleaning**

Tanks

Concentration: 1.0 - 2.0 %
Temperature: cold
Contact time: 10 - 60 minutes

* possibly arising vacuum conditions have to be considered

Pipelines, hoses, filters

Concentration: 1.0 - 2.0 %
Temperature: 65 °C
Contact time: 15 - 60 minutes

- **Cask cellar, KEG-plant**

Casks/KEG's

Concentration: 1.0 - 2.0 %
Temperature: cold - 40 °C
Contact time: system-specific

- **Soft drink production**

<u>Filling machines</u>	
Concentration:	1.0 - 2.0 %
Temperature:	50 - 65 °C
Contact time:	approx. 20 minutes
<u>Premix systems</u>	
Concentration:	0.5 - 1.0 %
Temperature:	40 - 50 °C
Contact time:	20 - 30 minutes

- **Counter tap installations**

Concentration:	1.0 - 2.0 %
Temperature:	room temperature
Contact time:	20 minutes

- **Tray washing**

Concentration:	1.0 - 2.0 %
Temperature:	ambient to 60 °C
Contact time:	system specific

INDICATION!

For corrosion-inhibiting reasons, the a. m. temperatures and contact times should never be exceeded.

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

Important indications!

- Effluent, containing chemicals, must only be discharged according to the local regulations
- Chemicals containing effluent must only be discharged into the biological treatment station after passing the neutralization- and buffer tank
- When discharging chemically polluted effluent, it is essential to pay specific attention to the bacteria toxicity of this water. This is especially important when dealing with biocide containing effluents and anaerobic sewage plants
- In case of doubt please seek advice from our technical service

Monitoring

Concentration determination

- **Titration**

Decomposition of existing chlorine by addition of a spatula point of sodium thiosulphate:

Receiving flask:	50 ml application solution
Titration solution:	0.5 n HCl
Indicator:	Phenolphthalein
Titration factor:	0.52

Volume added in ml x 0.52 = (by wt.) % **Ansep CIP**

- **Conductivity**

Specific conductivity of **Ansep CIP**

Concentration control

We recommend the use of **Elados EMP / EcoPro / EcoAdd** diaphragm pumps for metering and for control the use of **LMIT 09** inductive conductivity meters.

Please visit www.ecolab-engineering.com for more information.

Safety

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

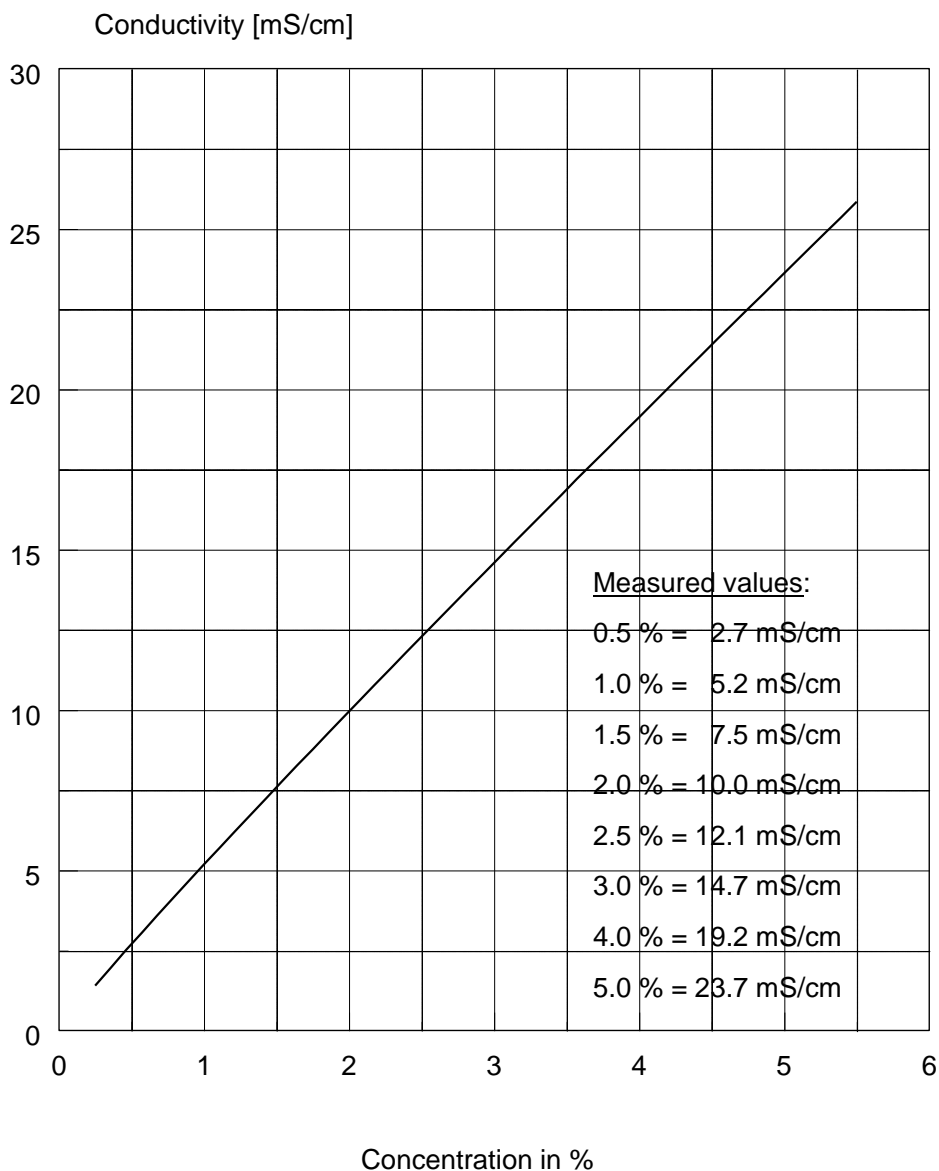
Attention!

Don't mix with acids due to risk of hazardous gas creation.

Ansep CIP

Specific conductivity (20 °C, 0 °d)

Temperature coefficient: α : 2 % / °C



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