

P3-mip[®] FPC

Description: Liquid, slightly alkaline cleaning agent, especially suitable for filling machines in the food industry

Product

- suitable for sensitive materials
- to be used with all modern filling machines
- no classification according to the prescription of hazardous substances

Properties

Concentrate

Appearance:	clear, colourless to slightly yellow liquid*
Storage stability:	0 - 40 °C
Solubility:	at 20 °C miscible with water in any proportion
Density:	1.00 - 1.02 g/cm ³
Refraction index n_D20:	1.3485 - 1.3525 *
P content:	0.47 %
N content:	0.50 %
COD:	14 - 24 mg O ₂ /g
Flash point:	not applicable

Application solution

pH:	8.0 - 9.5 (1 %, 20 °C, deionized water)
Titration:	6.6 - 7.3 ml * (100 ml 10 % solution; 0.5 n HCl; methyl orange)
Foam characteristics:	slightly foaming

* Parameters subject to incoming goods control

- Material compatibility:** **P3-mip FPC** is, under the application conditions described below, compatible with
- **Metals** austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304), aluminium, fancy metals
 - **Plastics** PE, PP, EDPM, NBR

Application

P3-mip FPC is a liquid, slightly foaming, alkaline cleaning agent for cleaning sensitive sections of filling machines for fresh milk, fruit juices and lemonades.

- **Automatic cleaning of final folder**

Concentration:	0.5 - 1.5 %
Temperature:	50 - 60 °C
Time:	20 minutes
- **Manual cleaning**

Concentration:	0.5 - 2.0 %
Temperature:	40 - 50 °C
Time:	10 - 20 minutes

After cleaning rinse thoroughly with fresh water of drinking water quality.

Monitoring

Concentration determination

- **Titration**

Receiving flask:	100 ml application solution
Titration solution:	0.5 n hydrochloric acid (HCl)
Indicator:	Methyl orange
Titration factor:	1.43

Volume added 0.5 n HCl x 1.43 = (by wt.) % **P3-mip FPC**

Safety

The relevant hazards identifications of **P3-mip FPC** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **P3-mip FPC** 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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