



## Product Information Process Auxiliaries

# Sera<sup>®</sup> Wash M-CEO

### Multifunctional detergent and wetting agent

**Function** Multifunctional detergent and wetting agent for continuous and discontinuous pre- and after treatment processes

- Properties**
- strong detergent and emulsifying power on mineral oils and fats
  - suitable for mono-pipeline centralized feeding plants: no gelling problem
  - low foaming with medium wetting power
  - recommended in continuous high foaming ranges
  - suitable in acid, oxidising and reducing medium
  - stable to 6 Be caustic soda 100 %
  - compatible with anionic and non-ionic products
  - substantially biodegradable, high biodegradation speed index

**Chemical Characteristics** Solution of fatty alcohol ethoxylates

**Technical Data**

Appearance: colourless, clear liquid  
 Ionicity: nonionic  
 pH value: 4 - 6  
 Dilution procedure: easily soluble in water  
 Shelf life: 12 month in closed original containers

**Useless after frost effect**

**Protect from heat or sun**

**Do not store product below + 3°C and above + 35°C**



## Application

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### **Cotton fabric pretreatment**

Continuous bleaching of yarn-dyed fabrics on foaming units:

3 - 5 g/l caustic soda 100 %  
2 - 4 g/l Sera Zon C-MP  
30 - 40 ml/l hydrogen peroxide 35 %  
1 - 4 g/l Sera Wash M-CEO

steaming for 3 - 10 min at 102°C  
continuous washing

Continuous pre-treatment of knit goods in flat tubular:  
Acid extraction

3 - 5 g/kg Sera Quest C-PX  
3 - 5 g/kg Sera Wash M-CEO  
0.5 - 1 g/kg Lava Wet MDF

pick up: 80 - 100 %

2 - 20 min at 60 - 80°C hot and cold washing

10 - 15 g/kg caustic soda 100 %  
5 - 8 g/kg Sera Zon C-MP  
30 - 40 g/kg hydrogen peroxide 35 %  
1 - 2 g/kg Sera Wash M-CEO

additional (add on) pick up 40 - 60 %  
steaming for 20 - 30 min at 100 °C  
continuous washing

Bleaching in over flow

1 - 4 g/l caustic soda 100 %  
0.5 - 1 g/l Sera Zon C-MP  
4 - 10 ml/l hydrogen peroxide 35 %  
0.5 - 1 g/l Sera Wash M-CEO

heat in 20 min to 95°C  
keep 30 min at 95°C  
over flow washing at 60°C  
drain  
rinse

### **Pretreatment of synthetic fabrics**

Sera Wash M-CEO is recommended for continuous and discontinuous pretreatment of knitted and woven synthetic fabrics and blends. The concentrations used are 1 - 3 g/l Sera Wash M-CEO.

We suggest to apply Sera Wash M-CEO together with a dispersing agent sequestrant like Sera Quest M-PP or Sera Sperse C SN 50 or Sera Sperse C-SN 01

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### After-soaping

Sera Wash M-CEO is also recommended for the after-soaping of dyeings and printings with reactive, vat and sulphur dyes in over flow in continuous rope ranges and in continuous open-width units.

The used concentrations are 0.5 - 3 g/l Sera Wash M-CEO.  
We suggest to utilise Sera Wash M-CEO together with Sera Quest M-PP in same concentrations. The synergetic action of the surfactant and the complexing-dispersing agent produces best soaping effects.

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