



Descaling bathroom cleaner concentrate

with Citric Acid or Lactic Acid

Phase	Ingredients	INCI	Supplier	Quantity
A	Water demin.	Aqua		Qs to 100 %
B	Plantacare® 810 UP	Caprylyl/Capryl Glucoside	BASF	30.00 %
	Plantacare® 818 UP	Coco Glucoside	BASF	20.00 %
C	Citric Acid or L(+)-Lactic Acid	Citric Acid or Lactic Acid	Jungbunzlauer	25.00 %

Directions

- 1 Dissolve phase B into water (phase A), a propeller stirrer is recommended
- 2 Add phase C and mix at room temperature until dissolution

Preparation of final application form

- 1 Dilute concentrate in a bottle with tap water in a ratio of 1:10
- 2 Shake until everything is homogenous

Technical Data

Concentrate

Appearance: transparent, slightly yellowish, low viscous liquid

pH value: with L(+)-lactic acid = 2.3, with citric acid = 1.7

Viscosity: Haake Stress (100 s^{-1}) = 20 – 30 mPa·s

Dilution

Appearance: transparent, colourless, water thin product

pH value: with L(+)-lactic acid $\approx$ 2.6, with citric acid $\approx$ 2.4

Stability

Stable for at least 3 months at RT, 4 °C (38 °F) and 40 °C (104 °F)

Claims

Test for microbial stability according to Ph.Eur. 5.1.3. passed with criterion A for both concentrates and with criterium B for the dilution of the formulation with lactic acid. If longer storage periods of the dilutions are required, an additional preservative for the formulation with citric acid is recommended (here, the formulation needs to be adjusted)

The formulation corresponds to the requirements for an ECOCERT certification as a 'natural' formulation

Consumer information: Test on dedicated surfaces before use.



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The information contained herein is meant to demonstrate how our products can be used. This formulation has been subjected to limited stability tests and has been shown to perform well. The given data are suggestions without any guarantee aimed to support customers' development.