

BONDERITE C-MC 056Known as P3-Ultraperm 056
May 2020**PRODUCT DESCRIPTION**

BONDERITE C-MC 056 provides the following product characteristics:

Technology	Cleaner
Product Type	Neutral Cleaner
Application	Membrane Cleaner
Components	BONDERITE C-MC 056 or BONDERITE C-MC 075 (pre-cleaning, if required)

BONDERITE C-MC 056 enzyme containing cleaner for membranes.

Composition:

- Phosphates
- Surfactants
- Enzymes

TECHNICAL DATA

Appearance	white (slight brown) powder
pH-value (1% in DI water)	6.0 to 8.2
Solubility (20 °C), g/L	~200

DIRECTIONS FOR USE**Preliminary Statement:**

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Operating Data:

Concentration, g/L	10 to 15
Temperature, °C	30 to 35
Treatment time, min.	30 to 60
Titration factor (TF), g/(L*mL)	0.5

Titration of 50 mL of the ready for use cleaner solution (using 0.5 mol/L hydrochloric acid, methyloange).

Application:

Effective ventilation should be on site to minimize exposure to the staff. Otherwise we recommend to use respiratory protection while preparing the make-up and during presence near the make-up place for 15 to 20 min after the make-up.

Cleaning Procedure:

1. Stop filtration.
2. Pre-rinsing with water.
3. Circulation of a solution of 1 to 1.5 % BONDERITE C-MC 056.
4. Rinsing with water.
5. Determination of the flux rate (praxis conditions). The cleaning is successful if the pre-determined flux rate is reached again.
6. In case of low flux rate the cleaning can be repeated. Also, a follow-up treatment using an acid membrane cleaner (BONDERITE C-MC 075) may be necessary.
7. After each cleaning rinsing with water till neutral pH-value and determinating the flux rate.
8. Recommendations of the membrane manufacturer on cleaning procedures (e. g. pH-stability) should be followed.

Calculation:

$\text{mL HCl} * 0.5 \text{ g/(L*mL)} = \text{concentration of cleaner in g/L}$

Effluent Information:

No neutralization required. Product contains phosphates. Please refer to your local water authorities.

Classification:

Please refer to the corresponding **Material Safety Data**

Sheets for details on:

- Hazards identification**
- Transport information**
- Regulatory information**

Storage:

Recommended Storage Temperature, °C	5 to 35
Shelf-life, months	12
(in unopened original packaging)	

ADDITIONAL INFORMATION**Disclaimer****Note:**

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Reference 1.0