

## BONDERITE C-MC 80

Known as P3-grato 80  
February 2023

### PRODUCT DESCRIPTION

BONDERITE C-MC 80 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
<b>Product Type</b>	Alkaline Cleaner
<b>Application</b>	General Cleaning, Maintenance cleaning

BONDERITE C-MC 80 is an alkaline cleaner for steel and non-ferrous metals. It is composed of alkalis, silicates, phosphonates, anionic and non-ionic surfactants. Light metals should be checked before use.

#### Application Areas:

BONDERITE C-MC 80 is a highly efficient high-pressure and steam cleaner.

### TECHNICAL DATA

Appearance	clear, yellow brownish liquid
Concentration	depends on requirements
Density, 20°C, g/cm <sup>3</sup> DIN 51757	~1.16
pH (1 % solution)	~12.2

### 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.

#### Bath Make-up:

BONDERITE C-MC 80 is used as delivered or in dilution depending on the application.

Concentration for high pressure	5 to 20 g/L at nozzle exit
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Concentrated contaminants:  
pre-cleaning / high pressure treatment

Wet the surface with the concentrated product.

The mobilized soil is removed by spraying with high pressure (water or diluted cleaner solution, 5 to 20 g/L).

#### Light contaminants:

direct high pressure treatment

Dilute the cleaner solution (50 to 100 g/L). Apply directly into the high pressure unit.

#### Manual cleaning

The surface is cleaned with diluted BONDERITE C-MC 80 solution (5 to 100 g/L).

#### Post treatment

Drying without separate rinsing prevents flash rust formation. For follow-up treatment the remaining film can be rinsed off with water.

#### Operating Data:

Temperature, °C	room temperature up to 90 °C
Duration of treatment:	depends on requirements
Spray pressure, bar	10 to 100

#### Bath Control:

BONDERITE C-MC 80 solution is controlled by the following analysis.

Feed, mL	100
Titrant	0.5 N hydrochloric acid
Indicator	Phenolphthaleine
Titration factor (TF)	2.2

- Pipette 100 mL bath solution into a clean 300 mL Erlenmeyer-flask.
- Add 3 to 5 drops of indicator.
- Titrate the solution with 0.5 N hydrochloric acid.
- The endpoint will be shown by a colour change from pink to colourless (pH-value: 8.2).
- The added mL of 0.5 N hydrochloric acid multiplied by the factor TF 2.2 is equal to the concentration in g/L.
- Divide this by 10 to get the value in %.

#### Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

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



**Storage:**

Recommended Storage Temperature, °C 0 to 45  
Shelf-life, months 24

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