

BONDERITE**BONDERITE C-MC 12**Known as P3-grato 12
October 2014**PRODUCT DESCRIPTION**

BONDERITE C-MC 12 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Alkaline Cleaner
Application	Maintenance Cleaner
Concentration	3 to 50%
Operating Temperature	10 to 60 °C

BONDERITE C-MC 12 is a self-oil demulsifier cleaning product.

It is composed of surfactants, salts of organic acids and hydrotropes. BONDERITE C-MC 12 is free of solvents.

Application Areas

BONDERITE C-MC 12 is a high efficient vehicle cleaner and for all purpose use in workshops and industrial areas. BONDERITE C-MC 12 can be used on floors, walls, fixtures of concrete, plastics, ceramics, painted or enameled surfaces in work shops, storerooms and social rooms. BONDERITE C-MC 12 can also be used for machine cleaning.

TECHNICAL DATA

Density at 20°C, DIN 51757	~1.09 g/cm ³
pH-value (concentrate), g/L	~10
pH-Value	~9
Appearance	clear, yellow-green liquid
Smell	pleasant, fresh

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.

Make-up:

BONDERITE C-MC 12 is used in dilution depending on the application:

3-10% solution:	in floor cleaning machines
3-5% solution:	with water jet (concentration at the nozzle)
3-50% solution:	by hand with sponge, brush or rags

The splitting of drag-in oil will be proceed automatically if the concentration of BONDERITE C-MC 12 is below 1% in the waste water. This will be typically achieved by the dilution with rinsing water.

Basically all application concentration have to be adjusted at the degree of soiling. To optimize the cleaning result we recommend a residence time of the cleaning solution for about 2-20min on the surface. Assistance by mechanical force like brushing or wiping will always increase the efficiency.

Bath monitoring:

BONDERITE C-MC 12 solution is controlled by titration.

Brix factor:	3.2 +/- 0.1 %
Titration factor TF (%)	5.71 (V(ml)xF = g/L)
Volume of solution	100ml
Acid:	0.5 n hydrochloric acid
Indicator	Methylorange

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:
Hazardous Information
Transport Regulations
Safety Regulations

Storage

Recommended Storage Temperature	5 to 50°C
Shelf life, months (in unopened original packaging)	36



ADDITIONAL INFORMATION

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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