

## BONDERITE C-MC 3000

Known as P3-grato 3000

October 2020

### PRODUCT DESCRIPTION

BONDERITE C-MC 3000 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
<b>Product Type</b>	Strong alkaline cleaner
<b>Application</b>	Maintenance Cleaner
<b>Concentration</b>	0.5 to 10%

#### Application Areas:

BONDERITE C-MC 3000 is a cleaning product designed for the exteriors of trains, cars, lorries, tarpaulin covers and other vehicles.

BONDERITE C-MC 3000 is especially suitable for car and train-washes and transport companies with cleaning gantries.

BONDERITE C-MC 3000 typical applications include also a wide range of industrial cleaning applications. Typical applications for this product include tanks, machinery, exterior siding, floors, etc. Suitable for removing grease, lubricants, cutting oils, fuel oils, tar, food stains, wax, animal fat, mildew, & soot.

### TECHNICAL DATA

Appearance	Colourless up to yellowish liquid
Density at 20°C, DIN 51757	~1.08 g/cm <sup>3</sup>
pH-value (1%)	12

### 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.

#### Application:

Application with a car-wash  
- Recommended for efficient, economical cleaning:

1. First, independently spray with a 3 to 5 % solution of the product. Spray on the whole vehicle. Pressure wash parts that are not accessible to the brushes.
2. Then start the car-wash. If applying directly in the car-wash, prepare a stock solution at 20 to 50 % and adjust

the pumps to give an output concentration of 0.5 to 0.8 %.

With independent spray and high-pressure wash:

- Spray on the body car from bottom to top with a BONDERITE C-MC 3000 solution at 3 to 5 %.
- Leave the product to work for one to three minutes.
- Pressure wash from bottom to top.
- Rinse the vehicle with water from top to bottom.

#### Bath Control:

BONDERITE C-MC 3000 solution is controlled by titration of free alkalinity.

Feed, mL	50 mL
Titrant:	0.1 N HCl
End point:	pH-value 7.0
Indicator:	Phenolphthaleine
Titration factor (TF):	3.125

- Pipette 50 mL bath solution into a clean 300 mL Erlenmeyer-flask.
- Add 4 to 5 drops of indicator.
- Titrate the solution with 0.1 N HCl.
- The endpoint will be shown by a colour change.
- The consumption of the 0.1 N HCl in ml multiplied with the factor 3.125 is equal the concentration in g/L.

#### Engineering:

To ensure the best possible application with complete reliability and safety, we recommend automatic checking and dosage.

Our Engineering department will be happy to provide you with any further information you may require about your specific set-up.

#### Waste Water Treatment:

The level of biodegradability of the surfactants in BONDERITE C-MC 3000 is greater than 90 %. BONDERITE C-MC 3000 must be neutralized in accordance with applicable legislation.

#### Classification:

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

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

**Storage:**

Recommended Storage Temperature	0 to 40°C
Shelf-life (in unopened original packaging)	36months

**ADDITIONAL INFORMATION****Disclaimer**

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.

**In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:**

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

**In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:**

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. 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.

**In case products are delivered by Henkel Corporation, or Henkel Canada Corporation, the following disclaimer is applicable:**

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

**Trademark usage**

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 0.3