

BONDERITE C-IC PA

Known as N-Plastiwash PA
July 2017

PRODUCT DESCRIPTION

BONDERITE C-IC PA provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Acid Cleaner
Application	Metal Parts

BONDERITE C-IC PA is an acidic liquid product used for cleaning of plastics before painting them.

BONDERITE C-IC PA has been designed to obtain proper degreasing of plastic surfaces, conditioning them in order to achieve optimum adherence of paint.

The product provides excellent results before water-based or solvent-based painting. The adherence of paint is very closely linked to the pH limit of the degreaser used.

BONDERITE C-IC PA is very effective for removing separating agents based on low-melting-point waxes, metallic soaps, amines, etc. In case of using separating agents based on high-melting-point waxes or silicone, washing is recommended in two stages; first, the alkaline stage with the BONDERITE C-AK series and secondly, using the BONDERITE C-IC PA to conclude the first stage and condition the surface.

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 Parameters:

BONDERITE C-IC PA can be used by immersion, but typical application is by spray:

Concentration	1 to 3%
pH	3.5 to 5.5

(Depending on the type of water used)

Temperature	45 to 60°C
Pressure	1 to 1.7 kg/cm ²

Afterwards, rinse using industrial water. The final rinse is done with the deionized water before drying the parts.

Bath Control:

- Take a 10 mL bath sample, and add approx. 10 mL of water.
- Add 3 to 5 drops of phenolphthalein and titrate with 0.1 N sodium hydroxide, until the pink colour appears.

$V \text{ mL of } 0.1 \text{ N sodium hydroxide} \times 3.9 = \text{g/L BONDERITE C-IC PA}$

Equipment:

BONDERITE C-IC PA may be used in carbon steel installations. Stainless steel is recommended for spraying nozzles.

Caution:

BONDERITE C-IC PA is an acidic product.

Avoid contact with the skin and eyes.

The use of safety goggles and protective gloves is recommended. In case of direct contact, wash thoroughly with water.

Storage:

Recommended Storage Temperature, °C	5 to 40
Shelf-life, months (in unopened original packaging)	30

Store separately from alkaline products.

Classification:

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

Sheets for details on:

Hazards identification
Transport information
Regulatory information

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.

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, Resin Technology Group, Inc., 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 and/or registered trademarks of Henkel and its affiliates in the U.S. and elsewhere.

Reference 0.0