

BONDERITE C-IC PE-4

Known as P3-Desincrustante PE 4
February 2017

PRODUCT DESCRIPTION

BONDERITE C-IC PE-4 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Acid Cleaner
Application	Metal Parts

BONDERITE C-IC PE-4 is a cleaning, deoxidizing agent. Its formulation allows great descaling and solubilization of organic residues and mineral salts.

The product leaves iron phosphate layer that protects metal part of subsequent attacks.

BONDERITE C-IC PE-4 is a liquid product based on acidic phosphates.

BONDERITE C-IC PE-4 is a liquid, acidic product.

Its wetting properties make the absorption of the components much easier.

Application Areas:

BONDERITE C-IC PE-4 is used to remove scale or organic/inorganic sediments, which are resistant to treatment with alkaline products. BONDERITE C-IC PE-4 can be used on all types of metal (steel, aluminum, copper and its alloys, etc.).

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:

BONDERITE C-IC PE-4 can be used in dipping, brushing or recirculation applications. It is advisable to rinse the treated parts thoroughly after application.

The concentration, depending on the circumstances, may vary from 1 to 25%.

Titration:

Take 50 mL of the solution and add 2 or 3 drops of Phenolphthalein or Methyl Orange indicator, and titrate with 0.5 N sodium hydroxide solution, until the color changes.

The consumed mL of sodium hydroxide solution multiplied by the evaluation factor will give the concentration in % of BONDERITE C-IC PE-4.

Evaluation Factor:

a) Methyl Orange indicator

Factor to find the concentration in % by weight: 0.284
Factor to find the concentration in % by volume: 0.232

b) Phenolphthalein indicator

Factor to find the concentration in % by weight: 0.142
Factor to find the concentration in % by volume: 0.116

Important:

We recommend not use BONDERITE C-IC PE-4 on galvanized or tin plated steel, it can attack these surfaces.

Advantages of BONDERITE C-IC PE-4:

BONDERITE C-IC PE-4 has great descaling and solubilization properties.

Is a very active detergent.

It does not release fumes or odors.

It is suitable for all types of manual cleaning.

BONDERITE C-IC PE-4 is economical.

Storage:

Recommended Storage Temperature, °C -10 to 40

Shelf-life, months 30

(in unopened original packaging)

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.

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