BONDERITE

Technical Data Sheet

BONDERITE C-IC 5000

Known as P3 Chemacid 5000
July 2016

PRODUCT DESCRIPTION

BONDERITE C-IC 5000 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Acid Spray-Cleaner
Application	Parts Cleaning, Derusting
Operating Temperature	45 to 60ºC

BONDERITE C-IC 5000 is a fast acting pickling and derusting agent based on mineral acids for iron and steel, especially suited for aluminium treatment.

Application Areas

BONDERITE C-IC 5000 is used in spray- or immersion processes.

TECHNICAL DATA

Appearance	clear, colourless liquid
Density at 20°C, DIN 51757	~1.09 g/cm³

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:
Fill 3/4 of the 1000 L bath with cold water and add during continuous pump circulation:

Before start up fill the tank with water to work level and pre-heat to working temperature.

Immersion:

BONDERITE C-IC 5000	50 to 150 kg (5 to 15%)
Duration of treatment	10 to 60 min
Temperature	45 to 60°C

Spray application:

BONDERITE C-IC 5000	20 to 100 kg (2 to 10%)
Duration of treatment	1 to 10 min
Temperature	45 to 60°C

Bath Control:
BONDERITE C-IC 5000 solution is controlled by the following analysis:

PH-value:

pH-value:	1 to 3 (depending on concentration)

Titration of free acid:

Feed, mL	100 mL
Titrant:	0.5 N sodium hydroxide
End point:	pH 8.5
Indicator:	phenolphthaleine (0.1% alcoholic solution)
Titration factor (TF):	2.3

- Pipette 100 mL bath solution into a clean 300 ml Erlenmeyer-flask.
- Add 3 to 4 drops of indicator.
- Titrate the solution with 0.5 N sodium hydroxide.
- The endpoint will be shown by a colour change from colourless to permanent pink (pH: 3.6).
- Multiply the consumption of the alkaline solution with the titration factor TF, to get the concentration in g/L

Classification:
Please refer to the corresponding **Material Safety Data Sheets** for details on:
Hazards identification
Transport information
Regulatory information

Storage

Recommended Storage Temperature	-5 to 30°C
Shelf-life, months	36months

Sample

Henkel

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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Saptonyx

Henkel AG & Co. KGaA
40191 Düsseldorf, Germany
Phone: +49-211-797-0

Henkel Corporation USA
Madison Heights, MI 48071
Phone: +1-248-583-9300

Henkel (China) Co. Ltd.
201203 Shanghai, China
+86.21.2891.8000