



BONDERITE C-AD 81

Known as P3-Galvaclean 81 January 2016

PRODUCT DESCRIPTION

BONDERITE C-AD 81 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Additive
Application	Cleaning Booster
Concentration	4 to 40 g/L
Temperature	20 to 70 °C
Treatment time	1 to 30 min

BONDERITE C-AD 81 an additive for acids for pickling and degreasing in immersion processes.

Application Areas:

Acidic degreasing and derusting of iron and steel parts in combination with hydrochloric, sulphuric and phosphoric acid.

BONDERITE C-AD 81 in diluted phosphoric acid at a temperature > 40 °C removes drawing compounds, containing calcium stearate, carbonate or other pigments, which are used for drawing tubes and wires, as well as polishing paste from aluminium parts.

The inhibitors in BONDERITE C-AD 81 prevent from an overpickling of the work metal parts and lead to a smooth and bright surface.

BONDERITE C-AD 81 is not suitable for nitric acid.

Composition

- · anionic and nonionic surfactants
- inhibitors

Operating Process

Immersion processes

TECHNICAL DATA

Appearance: light yellowish liquid

Density, (at 20°C), g/mL 1.02
Frost Resistance, °C >5 °C
pH-value (in a solution of 10 g/L) ~3.3
Foam behaviour forms foam

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:

The necessary amount of BONDERITE C-AD 81 can be added to the acid directly.

Concentration: 4 to 40 g/L

Application Temperature: hydrochloric acid: approx. 20

sulphuric and phosphoric

acid: 50 to 70 °C

Treatment Time: 1 to 30 min

Tank Material:

Depending on the acid.

Storage:

Recommended Storage Temperature 5 to 40°C Shelf-life, months 36 (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. Any liability in respect of the information in the Technical Data Sheet or any

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