



BONDERITE C-AK 5801

Known as P3-upon 5801
February 2015

PRODUCT DESCRIPTION

BONDERITE C-AK 5801 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Alkaline Cleaner
Application	Parts Cleaning
Concentration	20 to 80 g/l
Operating Temperature	50 to 80°C

It is composed of alkalis, phosphonates, acrylate-copolymers, salts of organic acids and nonionic surfactants. Change of colour is caused by raw material and has no impact on performance.

Application Areas

Cleaning after cutting, stamping, pressing or cold forming of cast iron and steel parts, removal of concentrated and greasy contaminations as well as pigmented, fatty acid containing drawing compounds. Due to its high stability this product can be used in hard water without the risk of precipitations. BONDERITE C-AK 5801 is used in spray processes.

TECHNICAL DATA

Appearance	slightly yellow liquid
Density at 20°C, DIN 51757	~1.15 g/cm ³
pH-value (1% solution)	~12.3

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:

Add the required amount carefully to the circulation system.

BONDERITE C-AK 5801	20 to 80 g/l
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Operating data:

Temperature	50 to 80°C
Duration of treatment	1 to 15min

Bath Control:

BONDERITE C-AK 5801 solution is controlled by titration of free alkalinity.

Feed:	100 ml
Titrand:	0.5 N hydrochloric or 0.5 N sulfuric acid
End point:	pH-value 3.6
Indicator:	Methylorange
Titration factor (TF):	2.0 g/l x ml

- Pipette 100 ml bath solution into a clean 300 ml Erlenmeyer-flask.
- Add 3 to 5 drops of indicator.
- Titrate the solution with 0.5 N hydrochloric or 0.5 N sulfuric acid.
- The endpoint will be shown by a colour change from yellow to redish (pH-value: 3.6).
- The added ml of 0.5 N hydrochloric or 0.5 N sulfuric acid multiplied by the factor TF 2.0 is equal to the concentration in g/L.

Classification:

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

Hazardous Information
Transport Regulations
Safety Regulations

Storage

Recommended Storage Temperature	-5 to 40°C
Shelf-life, months	36



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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