BONDERITE

BONDERITE C-AK 5800

Known as P3-upon 5800
January 2015

PRODUCT DESCRIPTION

BONDERITE C-AK 5800 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Alkaline Cleaner
Application	Parts Cleaning
Concentration	40 to 80 g/l
Operating Temperature	40 to 80ºC
Treatment time	1 to 15 min

It is composed of alkalis, phosphates, salts of organic acid and non-ionic surfactants.

Application Areas

Cleaning after cutting, stamping, pressing or cold forming of cast iron, steel parts and plastic. Removing of heavily soiled and greasy contaminations as well as pigmented, fatty acid containing drawing compounds.
Due to its high polymer phosphate content it can also be used in hard water, without the risk of detrimental precipitations.
The solution drying on the surface of the steel parts has rust preventing properties during a short storage time.

TECHNICAL DATA

Appearance	light yellow liquid Depending of a raw material a slight brownish Flocculation may appear but will not depreciate the cleaning efficiency.
Density at 20°C, DIN 51757	~1.23 g/ml
pH-value, (in a solution of 10 g/L)	~11.5

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 Control:
BONDERITE C-AK 5800 solution is controlled by titration of free alkalinity.

Feed:	100 ml
Titrand:	0.5 n HCl
End point:	pH-value 3.6
Indicator:	Methylorange
Titration factor (TF):	3.0 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 3.0 is equal to the concentration in g/L

Foam Behaviour:

Applicable in the given concentration and temperature range without disturbing foam.

Waste Water Treatment:

Neutralization with technical sulfuric acid or other acidic waste water is required. Due to soil load in the bath a waste water treatment will be necessary. Disposal must be carried out according to local directives. For the neutralization of 1 kg BONDERITE C-AK 5800 add 0.41 kg sulfuric acid (25 %).

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

sample only

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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