

BONDERITE C-AK 5800

May 2018

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 80°C
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 the titration of total alkalinity.

Feed, mL	100 mL
Titrant:	0.5 n HCl
End point:	pH 3.6
Indicator:	Methylorange
Titration factor (TF):	3.0

- 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 reddish (pH: 3.6).
- The added mL of 0.5 N hydrochloric or 0.5 N sulphuric 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:

Hazards identification
Transport information
Regulatory information

Storage:

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

ADDITIONAL INFORMATION**Disclaimer****Note:**

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Reference 0.1