BONDERITE

Technical Data Sheet

BONDERITE C-NE 10466

January 2016

PRODUCT DESCRIPTION

BONDERITE C-NE 10466 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	Parts Cleaning
Concentration	10 to 30 g/L
Operating Temperature	20 to 50 °C spray process

BONDERITE C-NE 10466 is an aqueous neutral cleaner. It is composed of organic corrosion protection components, cleaning active agents and inhibitors. Change of colour is caused by raw material and has no impact on performance.

Application Areas

Cleaning after cutting, stamping or pressing and simultaneously passivating of steel, cast iron and aluminium, e.g in the metal working industry as well as in the manufacture of engines and transmissions.
BONDERITE C-NE 10466 is used in spray processes and is suitable for high pressure operations.

TECHNICAL DATA

Appearance	clear, bright yellowish liquid
Density at 20°C, DIN 51757	~1.05 g/cm³
pH-value (20% solution)	~9.3

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.

Concentration on steel and cast iron	10 to 30 g/L
Concentration on Aluminium	10 to 30 g/L

Operating data:

Temperature	20 to 50°C
Duration of treatment	0.5 to 3 min

Bath Control:
BONDERITE C-NE 10466 solution is controlled by titration of total alkalinity.

Feed, mL	100 mL
Titrant:	0.5 N hydrochloric or 0.5 N sulphuric acid
End point:	pH 3.6
Indicator:	Methylorange
Titration factor (TF):	1.7

- With a pipette transfer 100 mL bath solution into a clean 300 mL Erlenmeyer-flask.
- Add 4 to 5 drops of indicator.
- Titrate the solution with 0.5 N hydrochloric or 0.5 N sulphuric acid.
- The endpoint will be shown by a colour change from orange to red (pH: 3.6).
- Multiply the consumption of the acid solution with the titration factor (TF), to get the concentration in g/L
- Divide this by 10 to get the value in %.

Additional Directions:
Corrosion protection is increased, if deionized water instead of tap water is used and the work pieces are stored at low relative air humidity and shielded against weather exposure.

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

Storage

Recommended Storage Temperature	0 to 40°C
Shelf-life, months	24
Frost-Sensitive	yes

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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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