

**BONDERITE C-NE 10466**

January 2016

**PRODUCT DESCRIPTION**

BONDERITE C-NE 10466 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
<b>Product Type</b>	Neutral Cleaner
<b>Application</b>	Parts Cleaning
<b>Concentration</b>	10 to 30 g/L
<b>Operating Temperature</b>	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/cm <sup>3</sup>
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

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

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