

**BONDERITE**<sup>®</sup>**BONDERITE C-NE 200**Known as P3-neutrare 200  
April 2014**PRODUCT DESCRIPTION**

BONDERITE C-NE 200 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
Product Type	Neutral Cleaner
<b>Application</b>	Parts Cleaning
Concentration on steel and nonferrous metals	5 to 20 g/L
Concentration on cast iron	10 to 30 g/L
Operating Temperature	20 to 80 °C spray process

BONDERITE C-NE 200 is an aqueous neutral cleaner. It is composed of organic corrosion protection components, cleaning active agents, inhibitors and stabilizers. 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 and cast iron, e.g in the metal working industry as well as in the manufacture of engines and transmissions. BONDERITE C-NE 200 is used in spray processes, suitable for high pressure operations.

**TECHNICAL DATA**

Appearance	clear, bright yellowish liquid
Density at 20°C, DIN 51757	~1.03g/cm <sup>3</sup>
pH-value (1% in DI water 20°C)	~9.7

**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 nonferrous metals	5 to 20g/l
Concentration on cast iron	10 to 30g/l

**Operating data:**

Temperature	20 to 80°C
Duration of treatment	0.5 to 3min

**Bath monitoring:**

BONDERITE C-NE 200 solution is controlled by titration of total 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)	4.4 g/l x ml

- with a pipette fill 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 sulfuric acid
- the endpoint will be shown by a colour change from orange to red (pH-value: 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:

**Hazardous Information**  
**Transport Regulations**  
**Safety Regulations**

**Storage**

Recommended Storage Temperature	0 to 40°C
Shelf-life, months (in unopened original packaging)	24months
Frost-Sensitive	yes



## ADDITIONAL INFORMATION

### Disclaimer

#### Note:

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