

**BONDERITE**<sup>®</sup>**BONDERITE C-NE 5088**Known as P3 Neutracon 5088  
April 2014**PRODUCT DESCRIPTION**

BONDERITE C-NE 5088 provides the following product characteristics:

<b>Technology</b>	Industrial Cleaner
<b>Product Type</b>	Neutral Cleaner
<b>Application</b>	Parts Cleaning
Concentration on steel and nonferrous metals	5 to 20 g/L
Concentration on cast iron	15 to 30 g/L
Operating Temperature	50 to 80 °C

BONDERITE C-NE 5088 is an aqueous neutral cleaner. It is composed of organic corrosion protection components, inhibitors for nonferrous metals and nonionic surfactants. Even despite high infiltration of coolants, the foaming behaviour of the product is unlikely to change. Change of colour is caused by raw material and has no impact on performance.

**Application Areas**

Cleaning after cutting, stamping or pressing, simultaneously passivating steel, cast iron and nonferrous metals. BONDERITE C-NE 5088 is used in spray- or immersion processes.

**TECHNICAL DATA**

Appearance	clear, colourless liquid
Density at 20°C, DIN 51757	~1.05g/cm <sup>3</sup>
pH-value, 10 g/L in DI water, 20 °C DIN 51369	~8.6

**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:**

Before turning on the spray system preheating of the solution to application temperature is recommended to avoid interfering foam build-up.

Add the required amount carefully to the circulation system.

Concentration on steel and nonferrous metals	5 to 20g/l
Concentration on cast iron	15 to 30g/l

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

**Operating data:**

Temperature	50 to 80°C
Duration of treatment	0.5 to 3min

**Bath monitoring:**

BONDERITE C-NE 5088 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)	2.5 g/l x ml

- pipette 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 alkaline solution with the titration factor TF, to get the concentration in g/L
- Divide this by 10 to get the value in %

**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:

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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