

**BONDERITE C-NE 5088**

Known as P3 Neutrapon 5088

April 2019

**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 spray process

BONDERITE C-NE 5088 is an aqueous neutral cleaner. It is composed of surfactants, salts of organic acids and hydrotropes. BONDERITE C-NE 5088 is free of solvents. 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	~1.05 g/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.

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 3 min

**Bath Control:**

BONDERITE C-NE 5088 solution is controlled by titration of the total alkalinity.

Feed, mL	100 mL
Titrant:	0.5 N hydrochloric or 0.5 N sulphuric acid
End point:	pH 3.6
Indicator:	Methyl orange
Titration factor (TF):	2.5

- 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 sulphuric acid.
- The endpoint will be shown by a colour change from orange to red (pH: 3.6).
- The mL of the spent titration are multiplied by the Titration factor to obtain 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:

**Hazards identification****Transport information****Regulatory information****Storage:**

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

## ADDITIONAL INFORMATION

### Disclaimer

#### Note:

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#### Reference 0.4