

BONDERITE C-NE 5064

Known as P3 Neutracon 5064
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PRODUCT DESCRIPTION

BONDERITE C-NE 5064 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	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 5064 is an aqueous neutral cleaner. It is composed of surfactants, salts of organic acids and hydrotropes. BONDERITE C-NE 5064 is free of solvents, organic corrosion protection components, stabilizers against water hardness precipitation and nonionic surfactants. 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 and cast iron. BONDERITE C-NE 5064 is used in spray processes.

TECHNICAL DATA

Appearance:	bright yellowish
Density at 20°C, DIN 51757	~1.01 g/cm ³
pH-value (20% solution):	~10.3

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:

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 cast iron	5 to 20 g/L
Concentration on Aluminium	15 to 30 g/L

Operating Data:

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

Longer duration of treatment may cause discolouration on nonferrous metals.

Bath Control:

BONDERITE C-NE 5064 solution is controlled by titration of free 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):	1.1

- 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).
- 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:

The stabilizer against water hardness precipitation included in this product avoids scaling of cleaning plants even in extremely hard water.

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	24months
Frost-Sensitive	yes

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

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Reference 0.1