BONDERITE

Technical Data Sheet

BONDERITE C-NE 300

Known as P3-neutracare 300
April 2020

PRODUCT DESCRIPTION

BONDERITE C-NE 300 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	10 to 30 g/L
Operating Temperature	20 to 80 °C spray process

BONDERITE C-NE 300 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 steel and cast iron, e.g in the metal working industry as well as in the manufacture of engines and transmissions. BONDERITE C-NE 300 is used in spray processes, suitable for high pressure operations.

TECHNICAL DATA

Appearance	clear, bright yellowish liquid
Density at 20°C, DIN 51757	~1.05 g/cm³
pH-value (1% solution):	~9.4

DIRECTIONS FOR USE

Preliminary Statement:
Prior to use it is necessary to read the **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 20 g/L
Concentration on cast iron	10 to 30 g/L

Operating Data:

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

Bath Control:
BONDERITE C-NE 300 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:	Methyl orange
Titration factor (TF):	1.8

- 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

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Storage:

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

ADDITIONAL INFORMATION

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