

BONDERITE C-NE 3300

Known as P3-neutrarecare 3300

June 2020

PRODUCT DESCRIPTION

BONDERITE C-NE 3300 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	Parts Cleaning
Concentration	10 to 30 g/l
Operating Temperature	30 to 80 °C spray process

BONDERITE C-NE 3300 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 of steel, cast iron and aluminium work pieces, e.g. in the metal working industry as well as in the manufacture of engines and transmissions.

BONDERITE C-NE 3300 is used in spray processes, suitable for high pressure operations. It has very good demulsifying properties.

TECHNICAL DATA

Appearance	clear, bright yellowish liquid
Density at 20°C, DIN 51757	~1.03 g/cm ³
pH-value (1% solution):	~9.3

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:

Add the required amount carefully to the circulation system.

Concentration on steel and cast iron	10 to 30 g/L
Concentration on Aluminium	10 to 30 g/L

Operating Data:

Temperature	30 to 80°C
Duration of treatment	0.5 to 3 min

Bath Control:

BONDERITE C-NE 3300 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):	2.8

- 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. The product should not get in contact with copper. Otherwise the product become blue colored.

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	24 months
Frost-Sensitive	yes

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

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Reference 0.3