

BONDERITE C-NE 2833

Known as P3 Neutrapon 2833
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PRODUCT DESCRIPTION

BONDERITE C-NE 2833 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Neutral Cleaner
Application	Parts Cleaning
Concentration	15 to 40 g/L
Treatment Time	2 to 5 min

BONDERITE C-NE 2833 is a moderately alkaline liquid product, used as spray cleaner and simultaneous passivating agent for ferrous, zinc-coated, Aluminium and Aluminium alloys materials.

When used in single-stage, inter-operational washers, it guarantees a good corrosion resistance to the treated pieces during storage in covered warehouses.

BONDERITE C-NE 2833 has been formulated taking into account environmental and safety aspects: the product does not contain secondary ethanalamines, nitrites and borates. Surfactants contained in the product meets the European Regulation 648/2004/EC regulating the biodegradability properties of surfactants in degreasing products.

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.

Application:

BONDERITE C-NE 2833 is generally used as aqueous solution by spray according to the following working parameters:

Concentration:	15 to 40 g/L
Temperature:	20 to 65 °C
Treatment time:	2 to 5 min.
Pressure:	1.2 to 2 ATE

Bath Make-up:

- Fill the tank with clean tap water.
- Activate the recirculating pumps and heat up to working temperature (when required).
- Add carefully 15 to 40 kg of BONDERITE C-NE 2833 for each 1,000 L of bath according to the application.
- Let the bath homogenise for approx. 15 to 20 minutes.
- Check the bath parameters before starting the treatments, as indicated below.

Bath Control:

BONDERITE C-NE 2833 solution is controlled by the titration of free alkalinity:

Feed:	100 mL
Titrant:	0.5 N hydrochloric or 0.5 N sulphuric acid
End point:	pH 3.6
Indicator:	Methylorange
Titration factor (TF):	2.2

- With a 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 %.

Caution:

In case of oil accumulation on the bath surface, it is recommended to make a partial skimming in order to avoid contamination of treated material.

The bath tank and other mechanical parts of the plant can be made of mild steel.

Slight differences in the product appearance do not affect its efficiency or operational performances.

Storage:

Recommended Storage Temperature, °C	4 to 35
Shelf-life, months (in unopened original packaging)	36

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

- Hazards identification**
- Transport information**
- Regulatory information**

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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Reference **N/A**