

**BONDERITE C-NE 270**Known as P3-neutrare 270  
September 2020**PRODUCT DESCRIPTION**

BONDERITE C-NE 270 provides the following product characteristics:

|                              |                              |
|------------------------------|------------------------------|
| <b>Technology</b>            | Industrial Cleaner           |
| <b>Product Type</b>          | Neutral Cleaner              |
| <b>Application</b>           | Parts Cleaning               |
| <b>Concentration</b>         | 8 to 30 g/l                  |
| <b>Operating Temperature</b> | 20 to 80 °C<br>spray process |

BONDERITE C-NE 270 is an aqueous neutral cleaner. It is composed of organic corrosion protection and cleaning active agents. 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, aluminium and magnesium, e.g. in the metal working industry as well as in the manufacture of engines and transmissions.

BONDERITE C-NE 270 is used in spray processes, suitable for high pressure operations. It can also be used in immersion processes with or without ultrasonic support.

**TECHNICAL DATA**

|                               |                                |
|-------------------------------|--------------------------------|
| Appearance                    | clear, bright yellowish liquid |
| Density at 20°C,<br>DIN 51757 | ~1.03 g/cm <sup>3</sup>        |
| pH-value (1% solution):       | ~10.7                          |

**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.

|                    |             |
|--------------------|-------------|
| BONDERITE C-NE 270 | 8 to 30 g/L |
|--------------------|-------------|

**Operating Data:**

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

**Bath Control:**

BONDERITE C-NE 270 solution is controlled by titration of total alkalinity.

|                        |  |
|------------------------|--|
| Feed, mL               | 100 mL                                     |
| Titration:             | 0.5 N hydrochloric or 0.5 N sulphuric acid |
| End point:             | pH 3.6                                     |
| Indicator:             | Methyl orange                              |
| Titration factor (TF): | 1.4  |

- 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 is suitable for ultrafiltration.

**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       |

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Reference 0.1